



Calgary Warehouse Equipment Ltd.

Bay 5, 3815 61 Ave. SE \* Calgary, AB \* T2C 1V5

Phone: (403) 236-8133 \* Fax: (403) 279-8221

[sales@calgarywarehouseequipment.com](mailto:sales@calgarywarehouseequipment.com)

[www.CalgaryWarehouseEquipment.com](http://www.CalgaryWarehouseEquipment.com)

[www.CWEstorefixtures.com](http://www.CWEstorefixtures.com)



## INSTRUMENTS



# INSTRUMENTS

## DIGITAL MULTIMETERS

- True RMS AC/DC voltage and current measurements
- 0.05 % basic DC accuracy
- 40 000-count resolution
- Measures frequency, capacitance and temperature
- Diode check and continuity test
- Backlit LCD readout with analog bar graph
- 1000 V input protection on all ranges
- 4-20 mA process loop measurements with % readout
- Data hold, Max/Min recording mode
- Peak capture mode
- IP67 dust and waterproof
- EN61010-1 Cat. IV 600 V, Cat. III 1000 V safety rating
- Includes test leads and 9 V battery

### SPECIFICATIONS:

AC/DC Voltage Range:	1000 V
Accuracy:	AC: $\pm 1.0\%$ ; DC: $\pm 0.05\%$
AC/DC Current Range:	10 A
Accuracy:	AC: $\pm 1.5\%$ ; DC: $\pm 1.0\%$
Resistance Range:	40 M $\Omega$
Accuracy:	$\pm 0.3\%$
Frequency Range:	10 MHz
Accuracy:	$\pm 0.1\%$
Capacitance Range:	40 mF
Accuracy:	$\pm 3.5\%$
Duty Cycle Range:	99.9 %
Accuracy:	$\pm 1.2\%$
Temperature Range:	760 °C (1400 °F)
Accuracy:	$\pm 1.0\%$
Dimensions:	182 x 82 x 55 mm
Weight:	360 g



XC308

## DIGITAL MULTIMETERS



IA197



IA198



IA199

**REED**

Model No.	IA197	IA198	IA199
Display counts	4000	4000	4000
True RMS measurements			.
Frequency			.
Capacitance			.
Temperature			.
Relative zero	.	.	.
Data hold	.	.	.
Max/Min recording			.
Peak recording			.
Auto ranging	.	.	.
Auto power off	.	.	.
Cat. IV 600 V, Cat. III 1000 V	.	.	.
Test leads & 9 V battery	.	.	.
K-type temperature probe	.	.	.

Function	Range	Accuracy	IA197	IA198	IA199
AC Voltage	1000 V	$\pm 0.8\%$	.	.	.
DC Voltage	1000 V	$\pm 0.5\%$	.	.	.
AC Current	10 A	$\pm 1.8\%$	.	.	.
DC Current	10 A	$\pm 1.2\%$	.	.	.
Resistance	40 M $\Omega$	$\pm 0.8\%$	.	.	.
Temperature	760 °C /1400 °F	$\pm 3.0\%$	.	.	.
Duty Cycle	99.9 %	$\pm 1.2\%$	.	.	.
Frequency	10 MHz	$\pm 1.5\%$			.
Capacitance	200 $\mu$ F	$\pm 3.0\%$		.	.
	40 mF	$\pm 3.0\%$			.
Diode Check			.	.	.
Continuity			.	.	.
Dimensions	182 x 82 x 55 mm				
Weight	360 g				
Mfg.No.	ST-9915	ST-9917	ST-9918T		
Price/Each					

## MULTIMETERS

- Non-contact voltage detector
- AC voltage range: 100 to 600 V
- Auto-ranging multimeter
- AC/DC voltage range: 600 V
- AC/DC current range: 200 mA
- Resistance range: 20 M $\Omega$
- Diode check and continuity test
- Flashlight
- Auto power off
- Double molded housing and test leads
- EN61010-1 Cat. III, 1000 V safety rating
- 0.2 A/500 V resettable fuse protection
- 2000-count LCD



Model No.	Mfg. No.	Description	Price/Each
IA050	ST-118	Voltage Detector/Multimeter	

## DIGITAL MULTIMETERS

- 0.5 % basic DC accuracy
- 4000-count resolution
- Diode check and continuity test
- Data hold function
- Auto ranging and auto power off
- Double molded plastic housing
- EN61010-1 Cat. III 600 V safety rating
- Includes Type K temperature probe, test leads and 9 V battery

Model No. IA406

Mfg. No. ST-922

Price/Each \$

### SPECIFICATIONS:

AC/DC Voltage Range:	600 V
Accuracy:	AC: $\pm 1.2\%$ ; DC: $\pm 0.5\%$
AC/DC Current Range:	10 A
Accuracy:	AC: $\pm 3.0\%$ ; DC: $\pm 2.5\%$
Resistance Range:	40 M $\Omega$
Accuracy:	$\pm 0.8\%$
Frequency Range:	10 MHz
Accuracy:	$\pm 1.5\%$
Capacitance Range:	200 $\mu$ F
Accuracy:	$\pm 3.0\%$
Duty Cycle Range:	99.9 %
Accuracy:	$\pm 1.2\%$
Temperature Range:	760 °C (1400 °F)
Accuracy:	$\pm 3.0\%$
Dimensions:	150 x 70 x 48 mm
Weight:	255 g

**REED**



## AC VOLTAGE DETECTORS

- Detects for the presence of AC voltage without contact
- Signals the presence of voltage with an LED light and audible buzzer
- Built-in flashlight
- Doubly-insulated housing for increased safety
- UL approved
- Cat. III 1000V, Cat. IV 600V safety ratings
- Includes batteries
- AC Voltage Range: 90 to 1000V
- Max. Working Current: 32mA
- Power Supply: 2 "AAA" alkaline batteries

**REED**



Model No.	Mfg. No.	Description	Price /Each
IA976	R5100	AC Voltage Detector	

## VOLTAGE TESTERS

- Automatically selects AC voltage, DC voltage or continuity
- Non-contact AC voltage detection
- Automatically turns on and off
- Visual (LED) and audible (buzzer) continuity indications
- Polarity indication
- Cat. III, 600 V safety rating
- Seven LEDs indicate AC or DC voltage levels
- AC voltage range: 24, 120, 208, 240, 277, 480, 600 V
- DC voltage range: 6, 12, 24, 36, 48, 110, 220 V
- Continuity: 0 to 85 kΩ

**REED**



Model No.	Mfg. No.	Description	Price /Each
IA043	ST-9902N	Voltage/Continuity Tester	

## DMM/IR THERMOMETER COMBO KITS

- Multimeter and infrared thermometer combo kit
- IA406** autoranging digital multimeter with temperature function
- HX243** infrared thermometer with laser sighting
- IA976** non-contact voltage detector with built-in flashlight
- HX358** temperature input adapter with **HK953** thermocouple wire probe

**Model No. IA539**  
**Mfg. No. ST-TEMPKIT**  
**Price/Each \$**

**REED**



## INDUSTRIAL COMBO KITS

- Multimeter and clamp meter combo kit
- XC308** True RMS AC/DC multimeter with temperature function
- HX379** AC clamp meter with temperature function
- IA976** non-contact voltage detector with built-in flashlight
- HX358** temperature input adapter with **HK953** thermocouple wire probe
- IA181** safety test leads

**Model No. IA536**  
**Mfg. No. ST-INDUSKIT**  
**Price/Each \$**

**REED**



## HVAC COMBO KITS

- True RMS multimeter and clamp meter combo kit
- XC308** True RMS AC/DC multimeter with temperature function
- IA195** True RMS AC/DC clamp meter with temperature function
- IA976** non-contact voltage detector with built-in flashlight
- HX358** temperature input adapter with **HK953** thermocouple wire probe
- IA181** safety test leads

**Model No. IA537**  
**Mfg. No. ST-HVACKIT**  
**Price/Each \$**

**REED**



## JR. ELECTRICIAN COMBO KITS

- Clamp meter and voltage/continuity tester combo kit
- HX379** AC clamp meter with temperature function
- IA043** voltage/continuity tester
- IA976** non-contact voltage detector with built-in flashlight
- HX358** temperature input adapter with **HK953** thermocouple wire probe
- IA181** safety test leads

**Model No. IA538**  
**Mfg. No. ST-ELECTRICKIT**  
**Price/Each \$**

**REED**



# INSTRUMENTS



## AC/DC CLAMP-ON ADAPTERS

- Range: 0 to 200 A AC/DC, 0 to 2000 A AC/DC
- Accuracy:  $\pm 2\%$  up to 200 A,  $\pm 3\%$  up to 1500 A w/ push button zero
- Output: 1 mV per 1 A
- Jaw Opening: 2 1/2" (64 mm)

Model No. IA437

Mfg. No. CA-203

Price/Each \$

**REED**



## AC CURRENT CLAMP-ON ADAPTERS

- Ideal tool to extend the current range for all multimeters
- AC current range: 200 A
- Voltage output of 1 mV/A via standard banana inputs

Model No. IA184

Mfg. No. CP-09

Price/Each \$

**REED**



HX357

## MULTIMETER ACCESSORIES

### MODEL HX357

- Enables clamp meter user to measure AC current on a 2-wire or 3-wire power cord to 15 A
- Provides easy and safe measurements of current without the need to cut off the plug and separate the conductors
- Plugging the power connector into the line splitter separates the hot/live conductor from the neutral and ground

### MODEL HX358

- Adapts mini-connector inputs to banana plug inputs
- Can be used with many of the thermocouple probes



HX358

**REED**

Model No.	Mfg. No.	Description	Price/Each
HX357	AC-006	AC Line Splitter	
HX358	AD-1	Input Adapter	

## CARRYING CASES

PROTECT & STORE YOUR MULTIMETER & ACCESSORIES IN A FABRIC CARRYING CASE



HX360



HN416



IA434



HN413

**REED**

Model No.	Mfg. No.	Outside Dimensions L" x W" x D"	Price /Each
IA434	C-833R	11 x 9 x 2	
HX360	C-820	8 x 5 x 2	
HN416	CA-05 A	9 x 4 x 2	
HN413	CA-52 A	7 x 3 x 2	

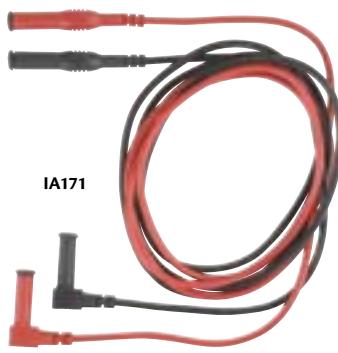
Call us for  
quantity  
pricing!



## LEADS, CLIPS & TEST PROBES

### MODEL IA171

- Ø4 mm safety test leads
- Silicone-insulated
- 100 cm long
- Right angle sheathed banana plug to straight sheathed banana plug
- Set of two, one black and one red
- **IA171** to be used in conjunction with items listed below



### MODEL IA172

- Safety alligator clips



### MODEL IA173

- Push-on safety test clips with strong jaws
- Insulated, nickel-plated jaws grip objects up to 3/8"
- Blunt grip grabs round screw heads



### MODEL IA174

- Tips include banana-style spring contacts with nickel-plated brass ends
- Ideal for probing banana plug receptacles



### MODEL IA175

- Push-on safety test probes with stainless steel tips
- Rigid with protective caps



### MODEL IA176

- Industrial test probes with stainless steel tips



### MODEL IA177

- Safety jaw clips



### MODEL IA178

- Electronic test probes
- Tapered tips for probing electronic components or boards
- Removable guard for IC probing



## REED

Model No.	Mfg. No.	Description	Price/Each
IA171	FC-108	Safety Test Leads	
IA172	FC-A23	Safety Alligator Clips	
IA173	CF-734760	Safety Test Clips	
IA174	FC-105	Safety Test Probes	
IA175	FC-105 A	Safety Test Probes	
IA176	FC-170 A	Industrial Test Probes	
IA177	FC-178 A	Safety Jaw Clips	
IA178	FC-A18	Electronic Test Probes	

## BASIC TEST LEADS

### MODEL IA181

- Set of two 48" long leads, one black and one red
- Flexible silicone-insulated safety test leads are heat and cold resistant
- Distinctive comfort grip test probes with stainless steel tips



### MODEL IA182

- Slide-on style for test probes
- Jaws open to 8 mm

### MODEL IA183

- Same as IA181 with IA182 alligator clips



## REED

Model No.	Mfg. No.	Description	Price/Each
IA181	TL-88-1	Safety Test Leads	
IA182	FC-A15	Safety Alligator Clips	
IA183	TL-88-A15	Safety Test Lead and Alligator Clips	

## FUSED TEST LEAD SETS

- Lead length: 1.4 meters
- Compatible with all instruments that accept standard 4 mm shrouded banana connectors



## REED

Model No.	Mfg. No.	Description	Price/Each
IA170	FC-300	Fused Test Lead Set	

## TEST LEAD KITS

### MODEL IA179

- Safety test lead kit (electrical) includes:
- IA171 safety test leads
- IA172 alligator clips
- IA175 test probes
- HX360 carrying case



### MODEL IA180

- Deluxe safety test lead kit (electrical) includes:
- IA181 safety test leads
- IA171 safety test leads
- IA182 alligator clips
- IA172 alligator clips
- IA178 electronic test probes
- IA174 test probes
- IA175 test probes
- IA176 industrial test probes
- IA177 safety jaw clips
- IA173 test clips
- HX360 carrying case



## REED

Model No.	Mfg. No.	Description	Price/Each
IA179	FC-108G	Safety Test Lead Kit	
IA180	FC-A23G	Deluxe Safety Test Lead Kit	

# INSTRUMENTS

## INSULATION TESTERS

- Test voltage combinations: 250 V, 500 V or 1000 V
- 1 mA test current for MΩ range at rated voltage
- 200 mA test current for continuity range
- Continuity test with beeper
- Large, easy-to-read dual display with backlight
- Data hold switch
- Test button may be locked on for hands-free operation
- Double moulded plastic housing
- Supplied with test leads, batteries and plastic carrying case
- Meets IEC61010-1 Cat. III 1000 V

### SPECIFICATIONS:

#### Insulation resistance tests

<b>Test Voltage:</b>	250 V, 500 V, 1000 V
<b>Measurement Range:</b>	200 MΩ, 2000 MΩ
<b>Accuracy:</b>	± 3.5 % rdg. ± 5 dgt.
<b>Resistance tests</b>	
<b>Measurement Range:</b>	200 Ω, 2000 Ω
<b>Accuracy:</b>	± 1% rdg. ± 2 dgt.
<b>Voltage tests</b>	
<b>Measurement Range:</b>	750 VAC; 1000 VDC
<b>Accuracy:</b>	AC: ± 1.2 % rdg. ± 10 dgt. DC: ± 0.8 % rdg. ± 3 dgt.

#### Continuity tests

<b>Measurement Range:</b>	Beeps ≤ 40 Ω
<b>Test Current:</b>	≤ 200 mA
<b>General</b>	
<b>Power Supply:</b>	6 x 1.5 V AA batteries
<b>Dimensions:</b>	200 x 92 x 50 mm
<b>Weight:</b>	700 g



**REED**

Model No.	Mfg. No.	Description	Price/Each
IA194	ST-550	Insulation Tester	

## INSULATION TESTERS

- Test voltage combinations: 250 V, 500 V or 1000 V
- Insulation measurements to 4000 MΩ
- Resistance measurements to 4000 Ω
- Continuity test with beeper
- 600 V AC/DC test voltage range
- Large, easy-to-read digital display
- Data hold switch
- Test button may be locked on for hands-free operation
- Automatic discharge when test button is released
- Low battery indication
- Supplied with soft carrying case and leads



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX345	C-360	Insulation Tester	

## THICKNESS GAUGES

- Exclusive micro-computer LSI circuit and crystal time base offer high accuracy
- Digital display provides exact readings without guessing or errors
- Broad band receiving sensitivity means the meter can read probes of different frequencies
- Auto calibration
- Automatic material calibration
- Selectable metric or imperial
- Measures the thickness of steel, cast iron, aluminum, red copper, zinc, quartz glass, polyethylene, PVC, gray cast iron and nodular cast iron
- Display sound velocity at the touch of a button (HX399)
- Measuring Range: 1.5 to 200 mm in #45 steel



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX399	TM-8811	Ultrasonic Thickness Gauge	

**1510**

MATERIAL  
HANDLING &  
STORAGE

JANITORIAL &  
MAINTENANCE

SAFETY  
EQUIPMENT &  
SUPPLIES

WELDING &  
METALWORKING

TOOLS &  
EQUIPMENT

SHIPPING &  
PACKAGING

INSTRUMENTS,  
SCALES &  
ELECTRICAL

OFFICE  
PRODUCTS

## DUROMETERS

- Digital durometer for Shore A hardness testing
- Designed to measure the penetration hardness of rubber, elastomer and other rubber like substances such as neoprene, silicone and vinyl
- Pocket-sized model with integrated probe
- Measures maximum value
- Calculates average value
- Push button zero calibration
- Bright, clear, 4-digit, 10 mm high LCD readout
- Meets DIN 53505, ASTM D2240, ISO 7619 and JISK 7215

### SPECIFICATIONS:

<b>Measuring range:</b>	0 to 90 HA
<b>Résolution:</b>	0.1 HA
<b>Deviation:</b>	± 1 HA

**REED**



## DUROMETERS

- Models feature a heat-treated, high carbon steel mainspring that is calibrated to meet or exceed ASTM Specification D2240-81
- Special cam permits a scale deflection of 100 points when the indenter is displaced exactly 0.100 inch
- Dial scale is extended over 240 circular degrees, accurate to within ± 1 division
- Threaded mounting knob at the top of each durometer permits permanent test stand emplacement
- Resettable ancillary pointer will register the peak durometer reading against all vibrations met in normal use



**PTC**  
INSTRUMENTS

### MODEL HB548

- "A" Scale durometer measures the indentation hardness of rubber, elastomers, and other rubber-like substances such as neoprene, silicone, vinyl and butyl. It can also be used for soft plastics, felt leather and similar materials

### MODEL HB549

- "D" Scale durometer is designed for hard plastics - polystyrenes, vinyls, Formica, Plexiglas - hard rubbers and phenolic moulded materials

### MODEL HB538

- Foam and sponge rubber durometer measures the hardness of soft materials such as foam rubber, sponge rubber, jells and doughs
- Classifies cellular rubbers of the sponge and foam type as "x-soft", "soft", "medium" and "firm", and then divides these ranges into smaller increments

Model No.	Mfg. No.	Description	Price/Each
HB548	306L	"A" Scale Durometer	
HB549	307L	"D" Scale Durometer	
HB538	302SL	Sponge Rubber Durometer	

## STEEL HARDNESS TESTERS

- Designed for accurate, rapid in place measurement of the hardness of steel and steel alloys in the range from 20 to 65 on the equivalent Rockwell C Scale
- Unit consists of two major components: calibrated indenter and direct reading microscope
- Hand-held impact indenter drives a 1/16" diameter tungsten carbide ball into the sample being tested
- Resulting indentation diameter is measured with 60X microscope
- Calibrated reticle in the microscope reads C Scale directly with an accuracy of ± 1.5 points
- Illumination system features a MagLite® flashlight with a fiber optic pipe that directs the light to the focus of the microscope
- Flat or curved surfaces of virtually any configuration may be measured
- Particularly useful where the test piece is too large or too heavy to test on bench-type tester



**PTC**  
INSTRUMENTS

Model No.	Mfg. No.	Description	Price/Each
HB605	316	Steel Hardness Tester	

R35272E

## AC/DC CLAMP METERS

### MODEL IA167 – WITH LARGE DIAMETER JAWS

- Measures AC and DC current up to 2000 A, plus AC and DC voltage up to 750 V and 1000 V respectively
- Measures resistance up to 4000 Ω
- Peak hold function
- Shielded banana plugs and recessed input terminals
- Output terminal
- Tear drop shaped jaws facilitates use in tight places and crowded cable areas

### MODEL IA168 – THE SMALLEST CLAMP METER ON THE MARKET

- Capable of both AC and DC measurements
- Measures AC and DC current up to 200 A, plus AC and DC voltage up to 500 V and 200 V respectively
- Measures resistance up to 200 Ω
- Resolution of 0.01 A AC/DC
- Pocket-sized
- Includes: Test leads and carrying case

### MODEL IA169 – OPEN CLAMP CURRENT SENSOR

- Ideal for use in crowded connection boxes where space is too limited for traditional clamp meters
- Non-contact voltage detection
- True RMS AC current measurement to 100 A
- Zero adjust function
- Auto power off
- Data hold



IA167



IA168



IA169

Model No.	Mfg. No.	Description	Price/Each
IA167	KEW2003A	AC/DC Clamp Meter	
IA168	KEW2004	AC/DC Clamp Meter	
IA169	KEW2300R	AC/DC Clamp Meter	

## AC/DC CLAMP METERS

- AC/DC clamp meter with LCD and bargraph displays
- 3 1/2 LCD digits with high-speed, 42-segment bargraph
- Touch Zero and Data Hold functions
- Polarity and overload indications
- Continuity test
- Auto or manual ranging
- Auto power-off
- Low battery indication
- Jaw opening 30 mm
- Current Range: 40 A, 400 A AC/DC
- Voltage Range: 400 V, 600 V AC/DC
- Resistance Range: 400 Ω
- Continuity Range: < 40 Ω



## AC/DC CLAMP METERS

- Full function autoranging DMM includes AC/DC voltage and current, resistance, capacitance, frequency, duty cycle, diode and continuity
- Current measurements to 2000 A through the clamp and 240 mA via test leads
- Large 5000 count backlit display for high resolution
- Basic DCV accuracy of 1% with 0.1 mV resolution and current resolution to 0.1 μA
- 2.36" (60 mm) clamp jaw opening (750 MCM)
- DC current push button zero, relative measurements and Data Hold
- Heavy-duty ABS case with built-in stand and thumb control function switch
- DC/AC Current Range (Clamp): 240, 2000 A
- DC/AC Current Range (DMM): 240, 2400 μA, 24, 240 mA
- DC/AC Voltage Range: 2.4, 24, 240, 1000 V
- Capacitance Range: 25, 250 nF, 2.5, 25 μF
- Resistance Range: 240 Ω, 2.4, 24, 240 kΩ, 2.4, 24 MΩ
- Frequency Range: 50, 500 Hz, 5, 50, 100 kHz
- Duty Cycle Range: 0.1% to 99.9%



## REED

Model No.	Mfg. No.	Description	Price/Each
HN415	CM-9930	AC/DC Clamp-on Meter	

## REED

Model No.	Mfg. No.	Description	Price/Each
HX162	C-201	AC/DC Clamp Meter	

## AC/DC CLAMP METERS

- True RMS AC/DC clamp meter with temperature function
- AC/DC current to 600 A
- Basic 2.5% DC current accuracy
- Resolution 0.1 A
- Data Hold
- Peak Hold
- DC current zero adjust
- Auto power off
- Complete with test leads, battery and carrying case
- AC/DC Current Range: 400 A, 600 A
- AC/DC Voltage Range: 600 V
- Resistance Range: 40 MΩ
- Temperature Range: -4° to 1400°F/-20° to 760°C



## AC/DC CLAMP METERS

- Pocket-sized, autoranging clamp-on
- Measure AC/DC current and voltage, frequency and resistance
- Auto or manual ranging with Data hold and Relative mode
- Continuity beeper and diode test
- Overload protection on all ranges
- Large 2999 count display (4999 counts for Hz)
- 1.2" (30 mm) clamp jaw opening (500 MCM)
- Compact, rugged clamp-on with splash resistant front panel design
- Complete with test leads, two 1.5 V AA batteries and carrying case
- AC/DC Current Range: 600 A
- AC/DC Voltage Range: 600 V
- Resistance Range: 24 MΩ
- Frequency Range: 100 kHz



## REED

Model No.	Mfg. No.	Description	Price/Each
HN411	CM-9940	AC/DC Clamp-on Meter	

# INSTRUMENTS

## AC/DC CLAMP METERS

- Autoranging
- 4000-count LCD with backlight (except HX506, 2000-count)
- Data hold and zero functions
- Diode test to 0.3 mA
- 0.1 µA resolution (HX379, HX380 only)
- Temperature function to 1000°C/1832°F (HX378, HX379 only)



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX377	ST-332	AC/DC Clamp Meter	
HX378	ST-333	AC/DC Clamp Meter w/ Temperature	
HX379	ST-335	AC Clamp Meter w/ Temperature	

Model No.	HX377	HX378	HX379
AC Current Range	400 A	400 A	400 A
DC Current Range	400 A	400 A	-
AC Voltage Range	600 V	600 V	600 V
DC Voltage Range	600 V	600 V	600 V
Resistance Range	20 MΩ	20 MΩ	20 MΩ
Capacitance Range	100 µF	100 µF	100 µF
Frequency Range	-	150 kHz	150 kHz

## AC/DC CLAMP-ON METERS

- Measures both AC and DC current and voltage
- True RMS reading instrument permits precise measurements regardless of waveforms
- 4000-count digital display with 40-segment analog bar graph
- Audible continuity test and diode check
- Peak hold function
- Data hold function
- DCA zero function
- Low battery indication and auto power off
- Double molded housing
- Electronic overload protection
- Designed to meet IEC61010-1 Cat. III 600 V

**REED**

Model No.	Mfg. No.	Description	Price/Each
IA195	ST-3347	AC/DC Clamp-on Meter	

### SPECIFICATIONS:

#### AC CURRENT

Max. Range/Res.: 1000 A/10 mA  
Basic Accuracy: ± 2.5% rdg. ± 5 dgt.

#### DC CURRENT

Max. Range/Res.: 1000 A/10 mA  
Basic Accuracy: ± 3.0% rdg. ± 4 dgt.

#### AC VOLTAGE

Max. Range/Res.: 600 V/0.1 mV  
Basic Accuracy: ± 0.8% rdg. ± 2 dgt.

#### DC VOLTAGE

Max. Range/Res.: 600 V/0.1 mV  
Basic Accuracy: ± 1% rdg. ± 4 dgt.

#### RESISTANCE

Max. Range/Res.: 40 MΩ/0.1 Ω  
Basic Accuracy: ± 1.0% rdg. ± 4 dgt.

#### CAPACITANCE

Max. Range/Res.: 40 mF/0.01 nF  
Basic Accuracy: ± 3.0% rdg. ± 5 dgt.

#### FREQUENCY

Max. Range/Res.: 10 MHz/0.01 MHz  
Basic Accuracy: ± 1.2% rdg. ± 3 dgt.

#### TEMPERATURE

Max. Range/Res.: 1000°C (1832°F)/1°C (°F)  
Basic Accuracy: ± 3.0% rdg. ± 5 dgt.

#### GENERAL

Dimensions: 229(H) x 80(W) x 49(D) mm  
Weight: Approx. 303 g



## AC CLAMP METERS

- Permits current measurements on a live conductor without circuit interruption
- Rotary switch selects one range at a time
- Analog scale
- Includes: test leads, two fuses, single AA battery, and carrying case
- Voltage Ranges: 150/300/600 VAC
- Current Ranges: 6/20/60/200/600 AAC
- Resistance Range: 2 kΩ (25 Ω mid-scale)



**KYORITSU**

Model No.	Mfg. No.	Description	Price/Each
HK661	KEW2805	AC Clamp Meter	

## INSULATION TESTERS

- Offers unmatched performance and features like test lead resistance zero adjustment for time-saving continuous operation
- Three insulation test ranges: 250 V, 500 V, 1000 V
- Continuity range: 2 Ω and 20 Ω
- Live circuit warning lamp plus audible warning
- Automatic discharge of circuit capacitance
- Front panel press to test and zero adjust

**KYORITSU**

Model No.	Mfg. No.	Description	Price/Each
IA192	KEW3131 A	Insulation Tester	

## INSULATION TESTERS

- A compact and easy-to-use insulation and continuity tester that is ideal for more arduous environments
- Three insulation test ranges: 250 V, 500 V, 1000 V
- Continuity range: 3 Ω and 500 Ω
- 200 mA measuring current on continuity testing
- Live circuit warning buzzer and neon lamp
- Automatic discharge of circuit capacitance
- Dust and drip proof construction (designed to IP54)



**KYORITSU**

Model No.	Mfg. No.	Description	Price/Each
IA193	KEW3132 A	Insulation Tester	

## PELICAN PROTECTOR EQUIPMENT CASES

Light, strong, watertight and airtight for the ultimate protection. Constructed of copolymer and polypropylene. Features a 1/4" neoprene O-ring seal and a purge valve. Supplied complete with pre-scored pick & pluck foam or padded dividers (no cutting required). Custom foam insert fabricated on special order. Also includes ABS locking flanges, massive multiple latches and a comfortable molded grip handle.

Note: Models HA597 and HA603 supplied with solid foam only.

- Other colours available for Mfg. No. 1700 to 1750 are desert tan and green
- Other colours available for Mfg. No. 1200 to 1600 are silver, desert tan and green



### FEATURES:

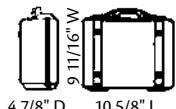
**O-Ring Seal:** Exclusive 1/4" neoprene O-ring guarantees a perfect seal. Neither dust nor water can penetrate this barrier to damage your equipment. These rings are easily replaced if damaged.



**Purge Valve:** All cases are absolutely airtight. Exclusive built-in O-ring sealed pressure purge valve allows for quick equalization after changes in temperature or altitude.

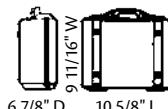
### MODEL NO. HA292

Outside Dimensions:  
10 5/8" L x 9 11/16" W x 4 7/8" D  
Inside Dimensions:  
9 1/4" L x 7 1/8" W x 4 1/8" D  
Fold-down handle.  
Weight: 2.87 lbs.



### MODEL NO. HA419

Outside Dimensions:  
10 5/8" L x 9 11/16" W x 6 7/8" D  
Inside Dimensions:  
9 1/8" L x 7" W x 6 1/8" D  
Fold-down handle.  
Weight: 3.53 lbs.



### PROTECTIVE CASES

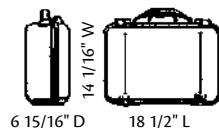
Black Model No.	Orange Model No.	Mfg. No.	Description	Price /Each
HA292	HA293	1200	1200 Case	
HA419	HA420	1300	1300 Case	
HA450	HA451	1400	1400 Case	
HA501	HA502	1500	1500 Case	
HA510	HA511	1550	1550 Case	
HA536	HA537	1600	1600 Case	
HA597	-	1700	1700 Case	
HA603	-	1750	1750 Case	

### FOAM INSERTS

Model No.	Mfg. No.	Description	Price/Each
HA296	1201	3 pc. Foam Insert for HA292, HA293	
HA423	1301	3 pc. Foam Insert for HA419, HA420	
HA460	1401	3 pc. Foam Insert for HA450, HA451	
HA503	1501/A	3 pc. Foam Insert for HA501, HA502	
HA512	1551	4 pc. Foam Insert for HA510, HA511	
HA538	1601	4 pc. Foam Insert for HA536, HA537	
HA599	1701	3 pc. Foam Insert for HA597, HA598	
HA605	1751	4 pc. Foam Insert for HA603	

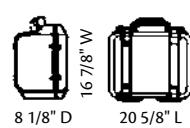
### MODEL NO. HA501

Outside Dimensions:  
18 1/2" L x 14 1/16" W x 6 15/16" D  
Inside Dimensions:  
16 3/4" L x 11 3/16" W x 6 1/8" D  
Fold-down handle.  
Integral personalised nameplate.  
Weight: 7.05 lbs.



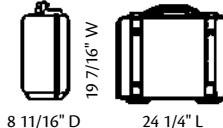
### MODEL NO. HA510

Outside Dimensions:  
20 5/8" L x 16 7/8" W x 8 1/8" D  
Inside Dimensions:  
18 7/16" L x 14" W x 7 5/8" D  
Fold-down handle.  
Integral personalised nameplate.  
Weight: 11.9 lbs.



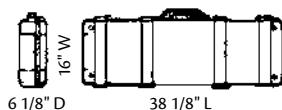
### MODEL NO. HA536

Outside Dimensions:  
24 1/4" L x 19 7/16" W x 8 11/16" D  
Inside Dimensions:  
21 7/16" L x 16 1/2" W x 7 7/8" D  
Fold-down handle.  
Integral personalised nameplate.  
Weight: 14.11 lbs.



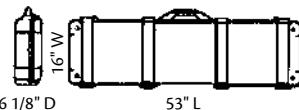
### MODEL NO. HA597

Outside Dimensions:  
38 1/8" L x 16" W x 6 1/8" D  
Inside Dimensions:  
35 3/4" L x 13 1/2" W x 5 1/4" D  
Fold-down handle.  
Weight: 16.98 lbs.



### MODEL NO. HA603

Outside Dimensions:  
53" L x 16" W x 6 1/8" D  
Inside Dimensions:  
50 1/2" L x 13 1/2" W x 5 1/4" D  
Fold-down handle.  
Weight: 25.57 lbs.



# INSTRUMENTS

## CAPACITANCE METERS

- Measure 0.1 pF to 20,000  $\mu$ F in nine selectable ranges
- Accuracy  $\pm 0.5\%$  typically
- Zero adjustment  $\pm 20$  pF
- Fuse-protected against charged capacitors
- 3 1/2 digits readout
- Overload/out of range indication
- Complete with test alligator clips, spare 200 mA fuse and 9 V battery
- Capacitance Range: 200 pF, 2 nF, 20 nF, 200 nF, 2  $\mu$ F, 20  $\mu$ F, 200  $\mu$ F, 2000  $\mu$ F, 20,000  $\mu$ F



**REED**

Model No.	Mfg. No.	Description	Price/Each
HF969	K5020	Capacitance Meter	

## CABLE TRACERS

- All components are fully fuse protected and intrinsically safe; and fit into a foam-lined carrying case
- Model R2000 Receiver has two detectors in its tip which are tuned to pick up the electromagnetic signals ('short' mode) or electrostatic signals ('open' mode) generated by other components
- LEDs and sensitivity settings indicate the relative signal strength to allow easy detection of the signal source
- Model S2600 Load Signal Generator, when connected to an energized line, will draw a rapidly fluctuating current pulse from the source, causing the power line to emit an electromagnetic signal which is detected by the R2000 in the 'short' mode
- Model T2200 Transmitter injects a signal into an unenergized conductor. If the conductor is broken (open), no current will flow, so the signal is present as a voltage pulse, which is detected along the conductor's length by the R2000's electrostatic detector ('open' mode)
- Model A2201 Inductive Clamp when clamped around the energized line and plugged into the T2200 will induce a signal onto the downstream (load) side to enable identification of equipment on that circuit
- Includes: Receiver, load signal generator, transmitter, clamp-on transmitter accessory, cordsets and adapter



**AMPROBE**®

Model No.	Mfg. No.	Description	Price/Each
HD909	AT-2004	Cable Tracing System	

## EARTH RESISTANCE TESTERS

- 0.001  $\Omega$  resolution for low resistance measurements
- $\pm 0.01 \Omega$  accuracy
- Record up to 99 resistance measurement values
- Alarm function of resistance limits
- User settable alarm threshold from 1 to 100  $\Omega$
- Measure leakage current and neutral current from 1 mA to 20 A
- Sampling rate of 1 measurement per second
- 3 3/4 LCD digits readout
- Display hold function
- Autoranging
- Double insulated clamp for increased safety
- Jaw opening measures 45 x 32 mm
- Resistance Range: 0.01-0.999  $\Omega$ , 1-9.99  $\Omega$ , 10-99.9  $\Omega$ , 100-199.9  $\Omega$ , 200-400  $\Omega$ , 400-600  $\Omega$ , 600-1200  $\Omega$
- Current Range: 100 mA, 300 mA, 1 A, 3 A, 10 A, 20 A



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX347	MS2301	Earth Resistance Tester	

## PHASE ROTATION INDICATORS

### WITH OPEN PHASE CHECKER

- Designed to check the presence of an open phase and also the phase sequence with rotating disks and lamps
- Verifies a wide range of 3-phase power sources from 110 V to 600 V
- Colour-coded integrated test leads eliminate the risk of misconnection and meter damage

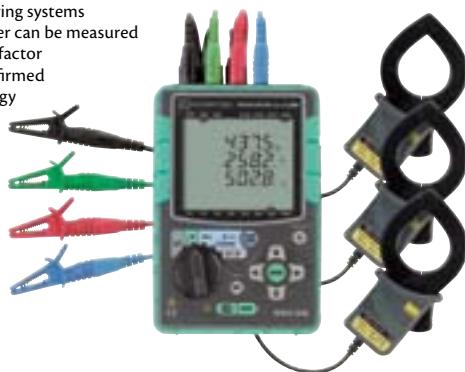


Model No.	Mfg. No.	Description	Price/Each
IA185	KEW8031	Phase Rotation Indicator	

## POWER QUALITY ANALYZERS

### EVERYTHING REQUIRED FOR POWER CONSUMPTION & ENERGY SAVING ANALYSIS

- Performs 12 kinds of power measurements
- Measures four types of wiring systems
- Regenerative electric power can be measured
- Electric power and power factor for each phase can be confirmed
- Demand function for energy saving measurements
- Displays three different data simultaneously
- Internal non-volatile memory for non-stop recording up to 10 days
- User-selectable recording interval



Model No.	Mfg. No.	Description	Price/Each
IA161	KEW6300-01	Electrical Tester	

Look for this symbol



for environmentally friendly products!

## LOOP CALIBRATORS

- 6-digit LCD readout
- $\pm 0.02\%$  accuracy
- Automatic calibration
- User selectable auto power-off

### MEASUREMENT FUNCTIONS:

Voltage Range:	-0.200 to 28.000 V
Resolution:	1 mV
Accuracy:	$\pm 0.02\%$ reading $\pm 2$ mV
Current Range:	-1.000 to 22.000 mA
Resolution:	0.001 mA
Accuracy:	$\pm 0.02\%$ reading $\pm 4$ $\mu$ A
Loop Current Range:	0.000 to 22.000 mA
Resolution:	0.001 mA
Accuracy:	$\pm 0.02\%$ reading $\pm 4$ $\mu$ A

### OUTPUT FUNCTIONS:

Current Range:	0.000 to 22.000 mA
Resolution:	0.001 mA
Accuracy:	$\pm 0.05\%$ setting $\pm 4$ $\mu$ A
Analogue Transducer Range:	0.000 to -22.000 mA
Resolution:	0.001 mA
Accuracy:	$\pm 0.05\%$ setting $\pm 4$ $\mu$ A
Loop Power:	24 V
Accuracy:	$\pm 10\%$

### GENERAL:

Power Supply:	Single 9 V alkaline battery
Battery Life:	Approx. 12 hours
Ambient Conditions:	-10 to 55 °C; $\leq 80\%$ RH
Dimensions:	200 x 100 x 40 mm w/ holster
Model No.	IA412
Mfg. No.	VC05
Price/Each	\$



## TEMPERATURE CALIBRATORS

- 6-digit LCD readout
- Auto-offset cold-end temperature
- Selectable 2-/3-/4-wire connect

### MEASUREMENT FUNCTIONS:

- Voltage Range: 0.00 to  $\pm 450.0$  mV
- Current Range: 0.00 to 450.0  $\Omega$
- Thermocouple Range:  
R: -40 to 1760 °C; S: -20 to 1760 °C;  
B: 400 to 1800 °C; E: -200.0 to 1000.0 °C;  
K: -200.0 to 1370.0 °C; J: -200.0 to 1200.0 °C;  
T: -200.0 to 400.0 °C; N: -200.0 to 1300.0 °C
- Thermo-Resistance Range:  
Pt100: -200.0 to 850.0 °C;  
Cu50: -50.0 to 150.0 °C

### OUTPUT FUNCTIONS:

- Voltage Range: -10.000 to 110.00 mV;  
0.0000 to 1.1000 V
- Resistance Range: 0.0 to 400.0  $\Omega$
- Thermocouple and Thermo-Resistance Ranges: Same as measurement function



**REED**

## TEMPERATURE SIMULATORS

- 6-digit LCD readout
- Auto calibration
- Voltage Range: -10.00 to 110.00 mV;  
-100.00 to 1100.0 mV
- Resistance Range: 0.0 to 400.0  $\Omega$
- Thermocouple Range:  
R: -40 to 1760 °C; S: -20 to 1760 °C;  
B: 400 to 1800 °C; E: -200.0 to 1000.0 °C;  
K: -200.0 to 1370.0 °C; J: -200.0 to 1200.0 °C;  
T: -200.0 to 400.0 °C; N: -200.0 to 1300.0 °C
- Thermo-Resistance Range: Pt100: -200.0 to 850.0 °C;  
Cu50: -50.0 to 150.0 °C



**REED**

## INFRARED TEMPERATURE CALIBRATORS

- This portable infrared temperature calibrator is as easy to use, just point and shoot
- For calibrating non-contact infrared thermometers up to 500 °C (932 °F)
- Temperature controlled black-body target with a diameter of 2.25" (57 mm)
- Wide field of view to compensate for optical variations in individual infrared thermometers
- Simply set the desired temperature in increments of 0.1°, wait for the calibrator to attain equilibrium, point the infrared thermometer at the target, and measure the radiated energy
- Contact RTD reference well is located directly behind the blackbody target to assure even higher accuracies of  $\pm 0.1$  °C

Model No. IA548 Mfg. No. BX-500 Price/Each \$

**REED**

## CURRENT/VOLTAGE CALIBRATORS

- Full function calibrator with multiple input/output ranges for both current and voltage
- 6-digit LCD readout
- $\pm 0.02\%$  accuracy
- Automatic calibration
- User selectable auto power-off

### MEASUREMENT FUNCTIONS:

- Voltage Range: 0.000 to 11.000 V
- Current Range: 0.000 to 22.000 mA
- Loop Current Range: 0.000 to 22.000 mA

### OUTPUT FUNCTIONS:

- Voltage Range: 0.000 to 11.000 V
- Current Range: 0.000 to 22.000 mA
- Loop Power Range: 24 V



**REED**

## CURRENT/VOLTAGE CALIBRATORS

- Combines voltage and current, source and read functions into one instrument
- 5-digit LCD readout
- $\pm 0.05\%$  accuracy
- Automatic calibration
- User selectable auto power-off

### MEASUREMENT FUNCTIONS:

- Voltage Range: 0.000 to 22.000 mV
- Current Range: 0.000 to 22.000 mA
- Loop Current Range: 0.000 to 22.000 mA

### OUTPUT FUNCTIONS:

- Voltage Range: 0.000 to 11.000 V
- Current Range: 0.000 to 22.000 mA
- Loop Power Range: 24 V



**REED**

## WELDING & METALWORKING



# INSTRUMENTS

## FOOD SERVICE INFRARED THERMOMETERS

- Contact and non-contact food service thermometer
- Optical Resolution: 12:1 (Distance: Spot size)
- Infrared thermometer features laser sighting
- Accepts any Type K thermocouple probe with mini-connector
- Choice of five different colour faceplates - choose a different colour faceplate for each department or food category
- Large backlit LCD readout
- Max, Min, Diff and Avg. displays
- Programmable Hi/Lo alarms
- Lock feature for continuous monitoring
- Includes holster/case

### SPECIFICATIONS:

Range:	-60° to 500°C (-76° to 932°F)
Resolution:	±1.0°C (±1.0°F)
Accuracy:	±2% rdg. or ±2°C, whichever is greater
Response Time:	1 second
Spectral Response:	8 to 14 μm
Emissivity:	Preset at 0.97
Optical Resolution:	12:1 (Distance: Spot size)
Type K Thermocouple	
Probe Range:	-64° to 1400°C (-83° to 1999°F)
Accuracy:	±1% rdg. or ±1°C, whichever is greater
General	
Power Supply:	2 x AAA alkaline batteries
Dimensions:	175 x 39 x 72 mm (6.9 x 1.5 x 2.8")
Weight:	137 g



Model No.	Mfg. No.	Description	Price/Each
IA432	PS200	Food Service Infrared Thermometer	

## INFRARED THERMOMETERS

- Precise non-contact temperature measurements
- Temperature Range: -58° to 1832°F (-50° to 1000°C)
- Fahrenheit/Celsius selectable
- Digitally adjustable emissivity from 0.10 to 1.0
- High and low alarm setpoints
- Max, Min and Dif. Avg. temperature displays
- Built-in laser pointer
- Large LCD with backlight and display hold
- Includes: Battery and carrying case
- 50:1 distance to spot size ratio



## REED

Model No.	Mfg. No.	Description	Price/Each
IA084	ST-8839	Infrared Thermometer	

## INFRARED THERMOMETERS

- Two-in-one thermometer combines infrared and K-thermocouple probe temperature measurement
- Infrared thermometer with integral type K thermocouple input
- IR Temperature Range: -58 to 1922°F (-50 to 1050°C)
- T/C Temperature Range: -58 to 2498°F (-50 to 1370°C)
- Built-in laser pointer identifies target area
- Digitally adjustable emissivity from 0.10 to 1.0
- 30:1 distance to spot size ratio
- Automatic emissivity capture
- High and low alarms
- Max, Min, Avg, Diff record
- 20 data points of memory
- Display backlighting
- Auto data hold and auto shut off
- Trigger lock
- Includes: Type K thermocouple probe, battery, and carrying case



## REED

Model No.	Mfg. No.	Description	Price/Each
IA496	ST-8835	Infrared Thermometer w/ Type K/T/C	

## INFRARED THERMOMETERS

- Fast and safe way to measure surface temperatures, without contact
- Easy to use - just point, shoot and read
- Temperature Range: 0° to 750°F or -18° to 400°C
- Fahrenheit/Celsius selectable
- Fixed emissivity of 0.95
- 8:1 Distance to Spot Size ratio
- Large LCD with backlight and display hold
- Model **HN235** features laser sighting
- Carrying case extra



HN235

**Raytek®**  
A Fluke Company

Model No.	Mfg. No.	Description	Price/Each
HN235	RAYMT4U	Infrared Thermometer w/ Laser Sighting	
HX034	RAYMTAPK	Soft Pouch w/ Wrist Strap	

## INFRARED THERMOMETERS

- Pocket-sized, troubleshooting infrared thermometer with laser sighting
- Temperature Range: -4° to 518°F (-20° to 270°C)
- User selectable °F or °C
- Fixed 0.95 emissivity covers 90% of surface applications
- 6:1 Distance to Spot size ratio
- Built-in laser pointer identifies target area
- Auto data hold, Max hold and Auto shut off
- Overload and low battery indications



## REED

Model No.	Mfg. No.	Description	Price/Each
HX364	IR-88	Infrared Thermometer	

## INFRARED THERMOMETERS

- Pocket-sized and easy-to-use - just point, shoot and read
- Unique flat surface and modern housing design
- User selectable °F or °C
- Built in laser pointer identifies target area
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- OVERRANGE indicator, auto data hold (when trigger released) and auto shut off
- Fixed 0.95 emissivity covers 90% of surface applications
- 8:1 Distance to Spot size ratio
- Includes: Battery and carrying case
- Model **HX242** Range: -58° to 536°F (50° to 280°C)
- Model **HX243** Range: -58° to 1022°F (50° to 550°C)



HX243

## REED

Model No.	Mfg. No.	Description	Price/Each
HX242	ST-880	Infrared Thermometer	
HX243	ST-882	Infrared Thermometer	

## IR-500 INFRARED THERMOMETERS

- Laser sighting, non-contact temperature measurement
- Easy to use: one button operation
- Backlit LCD display
- Wide -18 °C (0°F) to 260 °C (500 °F) temperature range
- Capacity to change from Fahrenheit to Celsius
- Powered by 9 V battery (included)



Model No.	Description	Price/Each
XB925	IR-500 Infrared Thermometer	

## INFRARED SENSORS

- Small sensing head fits where other sensors can't
- Ambient operating range to 85 °C (185 °F) without cooling
- Selectable outputs include: type J or K thermo-couples, 4-20, 0-20 mA or 0-5 VDC
- Adjustable emissivity from 0.100 to 1.100 by 0.001
- Selectable peak hold, valley hold and averaging functions
- 5-digit backlit LCD user interface
- 1% accuracy from -40 ° to 600 °C (-40 ° to 1112 °F)
- 10:1 optics
- Remote electronics box
- Optional RS-232 digital communications for remote setup and monitoring



**Raytek®**  
A Fluke Company

Model No.	Mfg. No.	Description	Price/Each
HX080	RAYMID10LT	Infrared Temperature Sensor, 1-m cable	
IA089	RAYMID10LTCB3	Infrared Temperature Sensor, 3-m cable	
IA090	RAYMID10LTCB8	Infrared Temperature Sensor, 8-m cable	
IA091	RAYMID10LTCB15	Infrared Temperature Sensor, 15-m cable	

## INFRARED SENSORS

- Simple, two-wire connection is easily integrated into a closed system
- Configure individual sensors to your system point-to-point or multidrop up to 15 sensors on a single loop
- Two-way digital communications
- Simultaneous access to 4-20 mA and digital outputs
- Compact, rugged sensor with NEMA-4 (IP 65) rating
- Adjustable emissivity from 0.10 to 1.00
- 8 to 14 microns spectral response
- Wide temperature range from -18 ° to 500 °C (0 ° to 932 °F)
- Windows software for remote configuration and monitoring
- Advanced Peak/Valley Hold algorithms have been incorporated to support changing process variables. Adjust hold times, trigger thresholds, hysteresis settings, fail-safe, and out-of-range output signals remotely
- Choice of focus distances
- Special models for glass and plastics applications



**Raytek®**  
A Fluke Company

Model No.	Mfg. No.	Description	Price/Each
IA092	RAYTXSLTSF	Low Temperature Infrared Sensor w/ 33:1 Optics	
IA093	RAYTXSLTPSF	Low Temperature Infrared Sensor w/ 15:1 Optics	
IA094	RAYTXSLTCF1	Low Temperature Infrared Sensor, Close Focus 1	
IA095	RAYTXSLTCF2	Low Temperature Infrared Sensor, Close Focus 2	

## MILWAUKEE® LASER TEMP-GUN™ THERMOMETERS

- Temperature Range: -30 to 500 °C (-20 to 932 °F)
- Basic Accuracy: 1.50%
- Repeatability: 0.50%
- Display Resolution: 0.1 °C (0.1 °F)
- 12:1 distance to spot ratio
- Response Time: <500 ms
- Emissivity: 0.95
- Hold and Max features
- Configurable Hi/Low alarm limits
- K-Type thermocouple input
- Large white-on-black display for clearer readings



Model No.	Mfg. No.	Description	Price/Each
IA648	2266-20	Laser Temp-Gun™ Thermometer	

## INFRARED SENSORS

- Two models cover temperatures ranges from 0 ° to 500 °C (32 ° to 932 °F)
- Designed for easy integration into standard 4-wire systems
- J-type or K-type thermocouple output or 0-5 V output
- Same 50 Ω output impedance as a thermocouple so it functions without offset errors
- Fixed emissivity at 0.95
- 5:1 optics at 90% energy
- Rugged IP-65 NEMA-4 stainless steel housing

**Raytek®**  
A Fluke Company

Model No.	Mfg. No.	Description	Price/Each
HX101	RAYCI1A	Infrared Temperature Sensor, Type J Thermocouple Output	
HX076	RAYCI2A	Infrared Temperature Sensor, Type K Thermocouple Output	
HX077	RAYCI3A	Infrared Temperature Sensor, Linear Voltage Output, 10 mV/°C	

## PANEL METERS & INFRARED SENSORS

- Two-piece temperature monitoring system that combines a compact monitor with an infrared sensing head
- Advanced processing capabilities including peak and valley hold, averaging, and a user-adjustable offset
- Compact 1/8 DIN monitor with 4-digit LED display
- User-defined 4-20 mA output
- Adjustable dual setpoints and deadband alarm outputs
- Universal 110-220 VAC power
- All monitor functions are configured via the front panel, including °C/°F switching
- Temperature range from -18 ° to 538 °C (0 ° to 1000 °F)
- Adjustable emissivity and t-ambient parameters
- Field interchangeable sensing heads
- GPR is a high performance, 8 to 14 micron infrared sensor with detachable cable that combines current loop driven signals with 35:1 optics



Model No.	Mfg. No.	Description	Price/Each
IA085	RAYGPC	Thermoalert Monitor	
IA086	RAYGPM	Panel Mount Meter	
IA087	RAYPRSF	Regular Sensing Head, Standard Focus, 35:1 D:S Ratio	
IA088	RAYGPSSFL	Laser-sighted Sensing Head	

# INSTRUMENTS

## PRE-PROGRAMMED THERMOMETERS/TIMERS

- Pre-programmed cooking temperatures for different meats and tastes
- Select taste setting: Rare to well done
- Displays preset and internal cooking temperatures
- Stainless steel probe with 1 m heat resistant wire
- °C /°F switchable
- Temperature Range: -10° to 200°C (14° to 392°F)
- Weight: 6.4 oz



## INDOOR/OUTDOOR THERMOMETERS W/CLOCK

- Registers both indoor and outdoor temperatures with Min/Max memory
- 12-hour clock
- Wide temperature range: -50° to 70°C
- Full 1" high LCD digits
- 10' cable to remote temperature sensor
- Desk mount or wall mount by two sided tape or screws
- Operated by single "AAA" size battery (included)
- Dimensions: 4" x 4" x 3/4"



Model No.	Mfg. No.	Description	Price/Each
HX158	DT100	Thermometer/Timer	

## INDOOR/OUTDOOR WIRELESS THERMOMETERS & HYGROMETERS

- Indoor/outdoor temperature
- Min/max memory
- 3 m/9.8' wired sensor probe
- Time and date
- °C/°F switchable
- Large LCD display
- Temperature trend
- Time and alarm features
- Freeze alarm



## INDOOR/OUTDOOR WIRELESS HUMIDEX THERMOMETERS

- Displays humidex and heat index
- Humidex and heat index is a combination of temperature and humidity into one number to reflect perceived temperature
- Heat stress index scale
- Indoor and outdoor temperature
- Outdoor humidity
- Min/max memory
- °C and °F switchable
- Wireless transmission range: 45 m/150'



Model No.	Mfg. No.	Description	Price/Each
IA808	313BC		

## INDOOR/OUTDOOR WIRELESS THERMOMETERS

- Indoor and outdoor temperature
- Min/max memory
- °C and °F switchable
- Wireless transmission range: 30 m/100'



## INDOOR THERMOMETERS FOR HUMIDITY & TEMPERATURE

- Indoor temperature and relative humidity
- Min/max memory
- °C and °F switchable

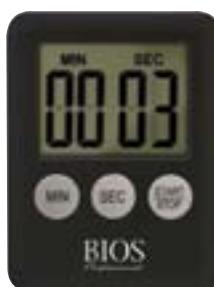


Model No.	Mfg. No.	Description	Price/Each
IA506	263BC	Thermometer for Humidity & Temperature	



## MINI TIMERS

- Easy to use
- Slim design
- Counts up or down to a maximum of 99 minutes, 59 seconds
- Magnetic back
- Pocket size
- Rubberized finish



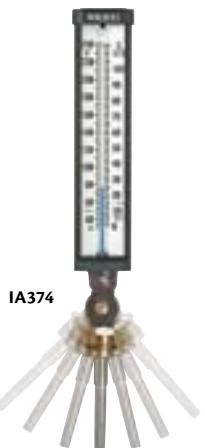
Model No.	Mfg. No.	Description	Price/Each
IA497	258BC	Indoor Hygrometer	

Model No.	Mfg. No.	Description	Price/Each
IA809	138HC	Mini Timer	

# INSTRUMENTS

## VARIABLE ANGLE INDUSTRIAL THERMOMETERS

- V-shape case, molded of GE Valox® polyester, is 9" in length. Heavy glass protected front firmly secured against rattles by spring action
- For 3-1/2" stems only and ranges up to and including 300°F, the stem material is a precision die cast Zamac alloy
- Adjustable case locknut and angle adjusting screw work independently to provide a full 360° positioning of thermometer case and stem
- Adjustable joint completely encloses capillary to prevent tampering and foreign matter for entering instrument
- Tube and capillary are blue spirit filled-magnifying lens "blue reading" tube. Precision made to guarantee accuracy within 1% of scale range. Silicone shock mounted for lasting durability.
- Scale is locked in place and adjusted through top of scale



IA374

**REED**

Model No.	Mfg. No.	Description	Price/Each
IA370	9VU35-115	Industrial Thermometer, -40 to 110°F/-40 to 93 °C	
IA371	9VU35-125	Industrial Thermometer, 0 to 120°F/-17 to 49 °C	
IA372	9VU35-165	Industrial Thermometer, 0 to 160°F/-17 to 71 °C	
IA373	9VU35-185	Industrial Thermometer, 30 to 180°F/-6 to 82 °C	
IA374	9VU35-245	Industrial Thermometer, -40 to 240°F/0 to 114 °C	
IA375	9VU35-305	Industrial Thermometer, 30 to 300°F/0 to 149 °C	

## STEM THERMOMETERS

- Large, easy-to-read LCD
- Fahrenheit/Celsius switchable
- Range: -40° to 450°F (-40° to 230°C)
- Accuracy: 0° to 230°F: ± 1.0°F; <0°F: ± 3.6°F; >230°F: ± 3.6°F
- Resolution: 0.1°F/°C
- 5" stainless steel stem
- Includes one 1.5 V LR44 button battery and protective probe cover



IA728

## STEM THERMOMETERS

- Easy-to-read LCD numerals
- Fahrenheit/Celsius switchable
- Range: -40° to 302°F (-40° to 150°C)
- Accuracy: ± 2°F or ± 1°C
- 5" stainless steel stem
- Immerse stem at least 1" for accurate readings
- Includes one 1.5 V LR44 button battery and protective probe cover



HX502

Model No.	Mfg. No.	Description	Price/Each
HX502	DT130	Digital Stem Thermometer	24.12

## SURFACE THERMOMETERS

- Specifically designed to be used on horizontal or ferrous non-horizontal surfaces
- Two alnico magnets that act as the thermometer's base and hold it in place on ferrous surfaces
- Bimetallic sensor is a specially processed alloy that is preconditioned and pretested for permanent calibration and maximum stability
- Sensor is located in a draft shield and is in virtual thermal contact with the surface to be measured
- Sensing equilibrium (stability) is reached within three minutes and is accurate to ± 2% of full scale



REED

Model No.	Mfg. No.	Temperature Range	Divisions	Price/Each
HB592	312FC	0° to 250°F/-20° to 120 °C	2°F/1°C	
HB598	314FC	50° to 750°F/10° to 400 °C	10°F/5°C	

## BI-METAL THERMOMETERS

- All welded stainless steel construction
- Easy external recalibration adjustment
- 3" diameter anti-parallax dial
- Hermetically sealed per ASME B40.3
- Accurate to 1% per ASME B40.3 Grade A
- Over-range protection is 50% up to 500°F
- 1/2" NPT straight connection



IA266

**REED**

Model No.	Mfg. No.	Description	Price/Each
IA266	T30025-250	0 to 250°F/-20 to 120 °C, 2-1/2" stem	
IA268	T3004-250	0 to 250°F/-20 to 120 °C, 4" stem	
IA270	T3006-250	0 to 250°F/-20 to 120 °C, 6" stem	
IA272	T3009-250	0 to 250°F/-20 to 120 °C, 9" stem	
IA267	T30025-550	50 to 550°F/0 to 260 °C, 2-1/2" stem	
IA269	T3004-550	50 to 550°F/0 to 260 °C, 4" stem	
IA271	T3006-550	50 to 550°F/0 to 260 °C, 6" stem	

## WATERPROOF DIGITAL STEM THERMOMETER

- Temperature Range: -40° to 450°F (-40° to 230°C)
- Accuracy: ± 0.5°C (± 1°F)
- Fahrenheit/Celsius selectable via push button
- Compact pen-style design
- Stainless steel stem
- On-site calibration possible
- Waterproof construction and maximum temperature memory make this thermometer ideal for verifying dishwasher temperatures
- Includes protective case



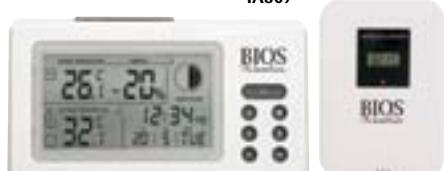
IA542

**BIOS**  
Professional

Model No.	Mfg. No.	Description	Price/Each
IA542	DT131	Digital Stem Thermometer	

## INDOOR/OUTDOOR THERMOMETERS W/CLOCK

- Indoor/outdoor temperature
- Indoor relative humidity: 20% to 95% RH
- Wireless transmission up to 30 m/100'
- Multiple sensor capability
- Min/max memory
- Moon phase
- Backlight



IA807

**BIOS**  
Weather

Model No.	Mfg. No.	Price/Each
IA807	312BC	

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# INSTRUMENTS

## PSYCHROMETERS

- Digital psychrometer and infrared thermometer in one unit
- Psychrometer calculates wet bulb, dew point and T1-T2
- Infrared thermometer measures surface temperatures from -40° to 932°F
- Infrared thermometer features built-in laser pointer, 8:1 distance to target ratio and adjustable emissivity
- Triple display with backlighting
- Max/Min Hold, °C/°F selectable and battery level indicators
- Retractable humidity sensor for protection during transport
- Optional RS-232 cable allows user to download readings
- Humidity Range: 0 to 100% RH
- Dew Point Range: -90° to 122°F (-68° to 50°C)
- Wet Bulb Range: -5° to 122°F (-21° to 50°C)
- Air Temp. Range: -4° to 122°F (-20° to 50°C)
- IR Temp. Range: -40° to 932°F (-40° to 500°C)



## PSYCHROMETERS

- Simultaneous display with % RH, temperature and dew point or wet bulb or external probe temperature (requires IA108)
- Calculates T1-T2 (Air temp. - External probe temp.) (requires IA108)
- Triple display with backlighting
- Max/Min readings
- Sensor cap closes to protect probe during storage
- Model IA107 features a built-in datalogger (stores up to 99 data points)
- Retrieve Max/Mean/Avg readings from stored data
- Real time clock
- Humidity Range: 0 to 100% RH
- Dew Point Range: -90° to 122°F (-68° to 50°C)
- Wet Bulb Range: -5° to 122°F (-21° to 50°C)
- Internal Temp. Range: -4° to 122°F (-20° to 50°C)
- External Temp. Range: -4° to 158°F (-20° to 70°C)



IA107

## REED

Model No.	Mfg. No.	Description	Price/Each
IA038	8857	Psychrometer/Infrared Thermometer	

## REED

Model No.	Mfg. No.	Description	Price/Each
IA038	8857	Psychrometer/Infrared Thermometer	

## INDOOR AIR QUALITY METERS

- Simultaneously monitors carbon dioxide (CO<sub>2</sub>), relative humidity and temperature dew point and wet-bulb temperatures can also be displayed
- High resolution LCD with backlight display
- Displays STEL readings (short-term exposure limit) over a 15-minute period and TWA readings (Time-weighted average) over a period of 8 hours
- Maximum, minimum and average functions
- Audible warning alarm of excessive CO<sub>2</sub> concentrations
- RS-232 serial interface

### SPECIFICATIONS:

CO <sub>2</sub> Range:	0 to 5,000 ppm
Resolution:	1 ppm
Accuracy:	±5% rdg. ±50 ppm
Temperature Range:	-10 to 60°C (14 to 140°F)
Resolution:	0.1°C/F
Accuracy:	±0.6°C (±0.9°F)
Humidity Range:	0 to 99.9% RH
Resolution:	0.1% RH
Accuracy:	±3% RH @ 25°C (10 to 90% RH), ±5% RH <10% & >90%
Dew Point Range:	-73.4 to 60°C
Wet Bulb Range:	-13.3 to 60°C
Response Time:	30 seconds
Power Supply:	4 x "AA" alkaline batteries
Battery Life:	24 hours



## TEMP/RH DATA LOGGERS

- Dual input
- Triple display
- 16 000 record data logger
- Max/Min/Hold functions
- Timer function
- Auto power off
- Temperature Range/Accuracy:  
-4° to 140°F: ± 1.4°F/-20° to 60°C: ± 0.7°C;  
-328° to 2498°F: ± 0.3% rdg. +2°F  
-200° to 1370°C: ± 0.3% rdg. +1°C
- Humidity Range/Accuracy:  
0 to 100% RH/± 2.5% RH
- Includes battery, manual, carrying case, K-type bead sensor, RS232 cable and Windows® software



## REED

Model No.	Mfg. No.	Description	Price/Each
IA645	77535	Air quality meter	

## REED

Model No.	Mfg. No.	Description	Price/Each
IA645	77535	Air quality meter	

## DUAL DIGITAL TIMERS

- Hours, minutes and seconds
- Counts up or down
- Digital clock (12/24 hour selectable)
- 2 channels for timer setting
- Magnetic back, built-in clip, retractable stand



HX501

## JUMBO DIGITAL TIMERS

- Jumbo LCD display
- Minutes and seconds
- Count down timer
- 30-second beeper alarm
- Magnetic back, built-in clip, retractable stand



BIOS Professional

HX500

Model No.	Mfg. No.	Description	Price/Each
HX500	DT122	Digital Timer	

Model No.	Mfg. No.	Description	Price/Each
HX501	DT123	Digital Timer	

# INSTRUMENTS

## HEAT STRESS METERS

- Wet Bulb Globe Temperature (WBGT) considers the effects of temperature, humidity and direct or radiant sunlight
- Heat Stress Index measures how hot it feels when humidity is combined with temperature, air movement and radiant heat
- Black Globe Temperature (TG) monitors the effects of direct solar radiation on an exposed surface
- In/Out function displays the WBGT value with or without direct sun exposure
- View individual temperatures or indices in either °F or °C
- User adjustable WBGT threshold with audible alarm if threshold is exceeded
- Built-in RS232 interface
- Tripod mount design for long term monitoring

### SPECIFICATIONS:

Air Temp. Range:	0.0 to 50.0°C (32 to 122°F)
Black Globe Temp. Range:	0.0 to 80.0°C (32 to 176°F)
WBGT Temp. Range:	0.0 to 50.0°C (32 to 122°F)
Humidity Range:	0 to 100% RH

## REED

Model No.	Mfg. No.	Description	Price/Each
IA639	8778	Heat Stress Meter	
IA447	BS-6	Tripod	
HX515	HR33	33% Humidity Calibration Standard	
HX514	HR75	75% Humidity Calibration Standard	
IA452	VZRS232BN	RS-232 Cable & Software	



## THERMO-HYGROMETERS

### FEATURES:

- All in one, pen type, easy carryout
- Hold function to freeze display value
- Built in reverse display button
- Temperature unit: °C/°F (internal adjustment)
- Humidity measurement with fast response time

### SPECIFICATIONS:

Humidity Range:	10% to 100 % RH
Temp. Range:	0° to 50°C
Power Supply:	1 x DC 1.5 V battery (UM-4, AAA) x 4

## REED

Model No.	Mfg. No.	Description	Price/Each
IA424	PHT-316	Humidity/Temp Meter	



## THERMO-HYGROMETERS

- Measures relative humidity as well as temperature with a type J/type K thermocouple thermometer
- Also measures dew point and wet bulb temperatures
- Data hold and Max/Min record
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB interface
- Temperature is measured in °C or °F

### SPECIFICATIONS

Humidity Range:	5% to 95% RH
Type J Temp. Range:	-100° to 1200 °C
Type K Temp. Range:	-100° to 1300 °C



## REED

Model No.	Mfg. No.	Description	Price/Each
IA793	SD-3007	Thermometer/Hygrometer	

## HEAT STRESS METERS /DATA LOGGER

- Measures indoor and outdoor WBGT (Wet Bulb Globe Temperature), Black Globe (TG) temperature, humidity, wet bulb, dew point and air temperatures
- Adjustable audible WBGT alarm setting
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB interface
- Temperature is measured in °C or °F

### SPECIFICATIONS

Indoor WBGT Range: 0° to 59 °C

Outdoor WBGT Range: 0° to 56 °C

TG Temp. Range: 0° to 80 °C

Air Temp. Range: 0° to 50 °C

Humidity Range: 5 % to 95 % RH



## REED

Model No.	Mfg. No.	Price/Each
IA794	SD-2010	

## THERMO-HYGROMETERS

### COMPACT THERMO-HYGROMETER WITH INTEGRAL PROBE FOR CONVENIENT ONE-HAND OPERATION

- Dual LCD readout shows ambient temperature and relative humidity
- User selectable °F/°C
- Min/Max memory for both functions
- Data hold and relative functions
- Auto power off
- Includes battery
- Humidity Range: 0 to 100 % RH
- Temperature Range: -4 to 140°F (-20 to 60°C)



## REED

Model No.	Mfg. No.	Description	Price/Each
IA441	C-315	Thermo-Hygrometer	

## THERMO-HYGROMETERS

- Dual LCD display shows ambient temperature and relative humidity
- Humidity Range: 10% to 95 % RH
- Temperature Range: 0° to 50°C/32° to 122°F
- User selectable °C/°F
- Data Hold and Min/Max function
- Compact and lightweight
- Battery included



## REED

Model No.	Mfg. No.	Description	Price/Each
HX287	LM-81HT	Thermometer-Hygrometer	
HN413	CA-52 A	Soft Carrying Case	

## TEMP/RH DATA LOGGERS

**MODEL IA100:**

- Records temperature and relative humidity
- Temperature Range: -40° to 85°C (-40° to 185°F)
- Humidity Range: 0 to 100% RH
- °F or °C selectable
- LCD display
- Logs data for days, weeks or months
- Programmable sampling rate from 1 second to 2 hours
- Three start modes: scheduled, immediate or magnetic
- Records up to 16 000 readings
- Real-time clock stores data and time
- Data is retained in non-volatile memory
- User-defined min/max alarm settings
- Thermistor style sensor

Model No.	Mfg. No.	Description	Price/Each
IA100	8829	Temperature/Humidity Data Logger	
IA101	8818	Data Logger Kit	
IA102	9801	Printer	

**MODEL IA101:**

- Kit includes docking station, RS-232 cable and Windows® compatible software
- Enables user to log data, create graphs and program IA100

**MODEL IA102:**

- Self-standing, battery-operated programming unit and printer, eliminates the need for a PC
- Enables user to download, print or graph the logged data anytime, anywhere



IA102  
Shown with IA100 not included

**REED**

## TEMP/RH DATA LOGGERS

**MONITORS BOTH AMBIENT TEMPERATURE & RELATIVE HUMIDITY**

- Stores up to 16 000 temperature and 16 000 humidity readings
- User selectable measurement rate from 2 seconds to 24 hours
- Alarm display if user-defined max/min values are exceeded
- Displays all status information through two LEDs
- Simply plug the logger into the USB port of your computer to begin downloading - no cables or wires are required
- Includes wall mount bracket and Windows® compatible software
- Temperature Range: -40 to 70°C (-40 to 158°F)
- Humidity Range: 0 to 100% RH



**REED**

## Model No. Mfg. No. Description Price/Each

IA449	ST-171	Temperature/Humidity Data Logger	
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## TEMP/RH DATA LOGGERS

- Records up to 32 700 ambient temperature and relative humidity readings
- User selectable recording intervals from 1 s to 24 h
- Minimum/Maximum function with alarm
- Real-time clock stores data and time
- LCD readout displays current temperature (°F or °C) or humidity reading, min/max reading with date and time
- Download data directly to a PC via USB cable supplied
- Includes data logger, mounting bracket with screws, USB cable, software diskette, security lock and battery
- Temperature Range: -40 to 70°C (-40 to 158°F)
- Humidity Range: 0 to 100% RH



**REED**

## Model No. Mfg. No. Description Price/Each

IA680	ST-172	Temperature/RH Data Logger	
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## TEMP/RH TRANSMITTERS

- Designed to continuously monitor ambient temperature and humidity
- Transmits both temperature and relative humidity data to any controller to provide feedback on user-defined settings
- Selectable 4-20 mA current or 0-1 V, 0-2 V, 0-5 V outputs
- Easy to setup and operate
- Wall mountable
- Temperature Range: 0° to 85°C (32° to 185°F)
- Humidity Range: 0 to 100% RH



**REED**

## Model No. Mfg. No. Description Price/Each

IA104	3501	Temperature/RH Transmitter, 4-20 mA output	
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# INSTRUMENTS



## 3M™ SOUND DETECTORS SD-200

- Compact, lightweight and user friendly
- LED Alert screen provides a quick visual reference of sound levels
- Provides average sound pressure level and delivers a steadier reading in environments such as manufacturing facilities or machine shops where noise levels are often highly variable

### Temperature ranges:

- Operating temperature: 32 °F to 104 °F (0 °C to 40 °C)
- Relative humidity: 0% - 90%, non-condensing

### Specifications:

- Size: 6.5" x 2.4" x .9" / 16.5 cm x 6.1 cm x 2.3 cm
- Weight: 4.4 oz (125 g) approx.
- Battery: Lithium polymer (1000 mAh), rechargeable
- Run-time: 50+ hours without LEDs activated
- Low battery indicator

### Measurements:

- Sound Pressure Level (SPL), Average value (LEQ / LAVG), LED Alert (with Hearing Protection icon), Maximum value (MAX), Minimum value (MIN), Run-Time, Overload (OL), and Under-Range (UR)
- Linearity range: 45 to 130 dB (Dynamic Range)
- Weighting: A or C
- Exchange Rate (ER): 3 dB or 5 dB
- LED Alert Levels:  
Green LED Flashes when noise measurements are between 80 to 85 dB  
Yellow LED Flashes when noise measurements are between 85 to 105 dB  
Red LED Flashes when noise measurements are above 105 dB

Model No. IA848      Price/Each



## ENVIRONMENTAL METERS

- Measures relative humidity, air velocity, light levels, and temperature with a type J/type K thermocouple thermometer
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB interface
- Air velocity is measured in m/s, ft/min, km/h, mph or knots
- Light levels are measured in ftc or lux
- Light range: 0 to 20 000 lux
- Humidity range: 5 % to 95 % RH
- Air velocity range: 0.4 to 25.0 m/s
- Temp. range: J: -50° to 1200 °C; K: -50° to 1300 °C



## REED

Model No.	Mfg. No.	Price/Each
IA795	SD-9300	

## SOUND LEVEL METERS

- IEC651 Type II
- 32-80, 50-100, 80-130 dB level ranges
- Autoranging from 30 to 130 dB
- Dynamic range of 50 dB
- 0.1 dB resolution
- Frequency range: 31.5 Hz to 8 kHz
- Accuracy of  $\pm 1.5$  dB (ref 94 dB @ 1 kHz)
- 32 000 record data logger
- 4-digit backlit display
- Clock and bar graph displays
- Auto power off
- AC and DC output
- Max/Min function
- Includes calibration screwdriver, windscreens, RS232 cable, Windows® datalogging software, battery, manual and carrying case

### MODEL IA661

- Professional, 1 kHz/94 dB
- Diecasting aluminum alloy housing case
- Two 9 V batteries
- Size: 50 mm dia. x 82 mm

## DATACOLLING

### MODEL HN408

- Wind shield ball for sound level microphones
- Compatible with IA153, HN404, HN405, HX311 and IA154
- Size: 65 mm dia.



IA153



## REED

Model No.	Mfg. No.	Description	Price/Each
IA799	SD-4023		
IA153	C-322	Datalogging Sound Level Meter	
HN408	SB-01	Wind Shield Ball	
IA661	SC-05	Sound Calibrator	

MATERIAL HANDLING & STORAGE	JANITORIAL & MAINTENANCE	SAFETY EQUIPMENT & SUPPLIES	WELDING & METALWORKING	TOOLS & EQUIPMENT	SHIPPING & PACKAGING	INSTRUMENTS, SCALES & ELECTRICAL	OFFICE PRODUCTS
1524							

## LIGHT METERS

- Designed for one-hand operation and to fit easily into a tool belt or pocket
- Autoranging
- Data Hold and Min/Max functions
- Auto shut-off and zero adjust button
- Over range and low battery indications
- Ranges: 0 to 20 000 lux; 0 to 2000 ftc
- User selectable Lux/Ftc
- Includes battery



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX288	LM-81LX	Light Meter	

## LIGHT METERS

- Digital dual filter light meter designed to measure a wide range of lighting types
- Measures to 20 000 lux
- Large LCD display provides clear readouts even in high ambient light levels
- Data hold function
- Zero adjustment screw
- Over range and low battery indication
- Battery included



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX319	YK-10LX	Light Meter	

## LIGHT METERS

- Measures ambient light levels as well as temperature with a type J/type K thermocouple thermometer
- Sensor features two filters and meets C.I.E. spectrum specifications
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB interface
- Light levels are measured in ftc or lux
- Temperature is measured in °C or °F
- Light range: 2000, 20 000, 100 000 lux
- Temp. range: J: -100° to 1200 °C;  
K: -100° to 1300 °C



**REED**

Model No.	Mfg. No.	Description	Price/Each
IA798	SD-1128		

## SOUND LEVEL METERS

- Dual range measurement (Hi/Lo)
- A and C frequency weighting
- Large, easy-to-read LCD display
- Electret condenser microphone for high accuracy and longterm stability
- AC/DC output signal for use with dataloggers
- Data Hold, Max Hold functions and low battery indication
- Meets IEC651 Type 2 requirements
- Includes carrying case and battery
- Measuring range: Low: 35 to 100 dB; High: 65 to 135 dB (A and C)



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX387	ST-805	Sound Level Meter	

## SOUND LEVEL METERS

- Check sound levels quickly and economically
- Built-in 1/2" electric condenser microphone
- Measurements from 54 to 126 dB in seven ranges
- Manual ranging
- Analog scale with needle indicator
- Selectable fast/slow response
- Selectable A/C weighting
- Easy calibration adjustment
- Max Hold button to lock peak values
- Low battery checker
- Analog output for connection to recorders, data loggers, etc.
- Threaded insert for tripod mount



**REED**

Model No.	Mfg. No.	Description	Price/Each
IA152	8926	Sound Level Meter	

## SOUND LEVEL DATALOGGERS

- Conforms to IEC61672-1 Class 2 sound level meters
- 1/2" electret condenser microphone
- Plugs directly into your computer via integral USB port
- A and C frequency weighting
- Fast (125 ms) and Slow (1 s) time weighting
- Normal and Peak modes
- Max and Min measurements
- User selectable sampling intervals from 1 second to 24 hours
- Data storage capacity of 129 920 samples
- Measuring range: 30 to 130 dB
- Dynamic range: 50 dB
- Includes: Windscreen, transparent cap, software CD, metal support stand and battery



**REED**

Model No.	Mfg. No.	Description	Price/Each
IA595	ST-173	Sound Level Datalogger	

# INSTRUMENTS

## TACHOMETERS

- Dual function unit with both contact and non-contact capabilities
- Supplied with adapters for mpm, rpm and surface speed measurements
- Non-contact function utilizes laser light beam for improved accuracy
- Recalls Max/Min and last values
- Large, easy-to-read display
- Autoranging with 0.05 % accuracy
- Includes battery and carrying case
- Measuring Range: Photo: 5 to 99,999 rpm; Contact: 5 to 19,999 rpm; Surface Speed: 0.05 to 1999 mpm



HX386

## TACHOMETERS

- Patented design incorporates both a photo and a contact tachometer into one precision instrument
- Ranges: from 0.5 to 20 000 rpm in contact mode; from 5 to 99 999 rpm in photo mode; surface speed from 0.05 to 1999.9 mpm (0.2 to 6560 fpm)
- Linear surface speed measurements are 0.2 to 6560 fpm or 0.05 to 1999.9 mpm
- Automatically holds last reading for five minutes and recalls min. and max. readings
- Characters on the large 5-digit display reverse direction depending on which measurement mode you are in
- Provides accuracy to 0.05 % and permits readings to a resolution of 0.1 rpm in either photo or contact mode



HF964

## REED

Model No.	Mfg. No.	Description	Price/Each
HX386	ST-6236B	Photo/Contact Tachometer	
IA046	ST-CONE	Replacement Contact Adapter	
IA047	ST-WHEEL	Replacement Surface Speed Wheel	

## DISTANCE MEASURING WHEELS

- Ideal for road distance measuring applications
- Fitted with a 1 m circumference wheel
- Two measuring modes: Trip and Total
- Accuracy:  $\pm 1\%$
- Adds forward, subtracts in reverse
- Metric and imperial measurement
- Measure in meters, yards or feet and inches at the push of a button
- Large LCD display is crystal clear in direct sunlight
- Backlight for low light conditions
- Waterproof for all weather conditions
- Push button reset
- Electronic brake
- Telescopic handle
- Mud scraper
- Minimum 5-year battery life



## TRUMETER

Model No.	Mfg. No.	Description	Price/Each
HC438	5505E	Distance Measuring Wheel	

## ULTRASONIC DISTANCE MEASURERS

- Ultrasonic distance measurer with laser point targeting
- Measures in imperial/metric
- Laser target pointer
- Start point selection
- Measurements taken from front or rear of unit
- Data store/recall
- Computes areas and volumes
- Five groups of value in memory
- Sum of lengths
- Auto/manual shut-off
- LCD backlight
- Beeps for reading confirmation
- Measuring Range: 0.5 m to 16 m (20 in to 52 ft)



## REED

Model No.	Mfg. No.	Description	Price/Each
IA390	DM-01	Ultrasonic Distance Measurer	

## STROBOSCOPES

- Internal rechargeable batteries mean easy handling and true portability
- 10-turn potentiometer provides infinite adjustment and precise selection of flash rate
- Temperature stable internal reference ensures low drift operation
- Backlit display for easy reading in all ambient light conditions
- Input and output jacks enable the stroboscope to be remotely triggered and synchronized to external events or operated in a Master/Slave configuration
- Both input and output signals are TTL compatible
- A latching trigger and 1/4-20 UNC tripod mount allows for hands-free operation
- Measuring Range: 100 to 12 000 fpm



## MONARCH

Model No.	Mfg. No.	Description	Price/Each
HK251	6204-011	Digital Stroboscope w/Internal Batteries	

## STOP WATCHES

### MODEL IA078

- High contrast digital display with backlight
- Clock, date and alarm functions
- Records real time and split times
- Remembers first 30 laps and their split times (max. 99 laps displayed)
- 1/100th second resolution up to 100 hours
- Shock and water-resistant case



IA078

### MODEL IA006

- Large LCD that displays real time and records split times for accurate result
- Clock, date and alarm function
- Water-resistant
- Includes: Batteries and a 48" nylon lanyard which allows you to comfortably hang the stopwatch around your neck



IA006

## BIOS Fitness

Model No.	Mfg. No.	Description	Price/Each
IA078	FP603	Digital Stop Watch, w/neck lanyard and battery	
IA006	FP600	Digital Stop Watch, w/neck lanyard and battery	

## ELECTROMAGNETIC FIELD METERS

- AC & DC magnetic field measurement
- Measurements Range:  $\pm 3000$  milliGauss
- Measurements in milliGauss or  $\mu\text{T}$  (microTesla)
- Detects magnetic fields as small as 0.1 milliGauss
- N pole/S pole indicator
- Zero adjustment button for relative measurement
- Data hold and max./min. record
- Easy to read LCD with backlight
- Auto or manual power off
- RS232 and USB interface



**REED**

Model No.	Mfg. No.	Price Each
IA806	GU-3001	

## VIBRATION METERS

- Measures vibration levels in machinery
- Unique vibration sensor with magnetic base
- Peak hold, data hold and max./min. record
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB interface
- Metric or Imperial measurement units
- Acceleration Range: 0.5 to 199.9  $\text{m/s}^2$
- Velocity Range: 0.5 to 199.9  $\text{mm/s}$



**REED**

Model No.	Mfg. No.	Price /Each
IA803	SD-8205	

## RATCHET COUNTERS

### STEEL COUNTERS

- Operated by stroke (ratchet) drive
- Five figures standard, 4 mm high
- Knob reset
- Torque: 700 gcm
- Maximum count speed: 600 counts/minute
- Ratchet drive: spring return, 40° movement
- Black enamel steel case
- Supplied with connecting spring



### PLASTIC COUNTERS

- Reliable, low cost, plastic counters for all purposes
- Operated by stroke (ratchet) drive
- Counts with one 45° adjustable lever movement (spindle on right side)
- 5-figure register with knob reset
- Supplied with connecting spring
- 5-figure reset counter counts machine revolution
- Adds when lever is revolved counter clockwise (spindle on right side)

## TRUMETER

Model No.	Mfg. No.	Description	Price/Each
HD448	9-157-M5	Right Ratchet Counter, Steel	
HD447	9-154-M5	Left Ratchet Counter, Steel	
HA931	2012-5	Right Ratchet Counter, Plastic	

## DIGITAL FORCE GAUGES

- Provides readings of tension (push) or compression (pull) in kg, lb, oz. and Newton units
- Instantly recalls "Peak Load" (max. load) and average readings
- Microprocessor assures  $\pm 0.2\%$  accuracy and fast 0.8 second update time
- 100% Zero/Tare control enables maximum pre-load to be stored in the memory
- Zero Adjust push-button and Peak Hold switch
- Selectable fast/slow response
- Large 5-digit LCD display is reversible to match viewing angle
- Holes on the back of the meter case facilitate test stand mounting
- Battery or AC-line operated (uses 6 x 1.5 V "AA" batteries)
- Auto Power Off minimises power consumption and saves battery life
- Complete with hook adapter for tension, compression adapters (flat head, cone head, and chisel head), 5" (120 mm) extension rod, 6 AA batteries and carrying case
- Model **HF676** capacity: 5000 g, 176 oz., 49 N
- Model **IA804** capacity: 20 kg, 44 lbs., 196 N
- Model **IA805** capacity: 100 kg, 220 lbs., 980 N



**REED**

Model No.	Mfg. No.	Description	Price/Each
HF676	FG-5000A	5000-g Capacity	
IA804	SD-6020	20-kg Capacity	
IA805	SD-6100	100-kg Capacity	
HX279	FS-1001	Test Stand	

## TALLY COUNTERS

### MODEL HD317 HAND TALLY COUNTERS

- Sturdy 4-figure hand-operated reset counter
- Push button actuator and handy thumb ring for easy operation
- Chrome plated steel case resists damage from perspiration
- Recommended for applications where operator must be mobile, such as checking meeting attendance, taking warehouse inventories, etc.



HD317

### MODEL HD339 STAND TALLY COUNTERS

- Sturdy 4-figure hand-operated reset counter
- Special mounting base designed for desk, bench or clipboard mounting
- Heavy gauge steel case and base are chrome plated to resist corrosion
- Recommended for fixed applications such as assembly line parts counting, traffic surveys, etc.



HD339

**REED**

Model No.	Mfg. No.	Description	Price/Each
HD317	7655	Hand Tally Counter	
HD339	8-005-1	Stand Tally Counter	

# ANEMOMETERS

## THERMO-ANEMOMETERS

- Mini-vane anemometer permits access to restricted areas
- Dual display indicates m/s, ft/min, km/h, knots, mph and °C/°F
- 13 mm diameter metal mini-vane and telescopic probe to 600 mm
- RS232 output
- Data hold, Record (Max/Min)
- Auto shut off
- Includes battery and hard carrying case
- Velocity Range: 0.2 to 12.0 m/s; 2.8 to 43.2 km/h; 1.8 to 26.8 mph; 160 to 2358 ft/m; 0.8 to 23.3 knots
- Temperature range: 32° to 176°F; 0° to 80°C



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX340	YK-80 AS	Thermo-Anemometer	

## THERMO-ANEMOMETERS

- Rotating vane anemometer provides direct reading of air velocity and temperature
- Dual display indicates m/s, ft/min, km/h, knots, mph and °C/°F
- RS232 output
- Data hold, Record (Max/Min)
- Auto shut off
- Includes a heavy-duty metal vane probe
- Velocity range: 0.8 to 40.0 m/s; 2.8 to 144.0 km/h; 1.8 to 89.4 mph; 160 to 4930 ft/m; 1.6 to 78.1 knots
- Temperature Range: 32° to 140°F; 0° to 60°C



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX338	YK-80 AM	Thermometer-Anemometer	

## THERMO-ANEMOMETERS

- Measures air velocity as well as temperature with a type J/type K thermocouple thermometer
- Low friction ball-bearing, rotating vane probe
- RS232 and USB interface
- Real time data logger with integral 2GB SD memory card (optional)
- Air velocity is measured in m/s, ft/min, km/h, mph or knots
- Temperature is measured in °C or °F
- Air Velocity Range: 0.5 to 30.0 m/s
- Type J Temp. Range: -50 to 1200°C
- Type K Temp. Range: -50 to 1300°C



**REED**

Model No.	Mfg. No.	Description	Price/Each
IA796	SD-4207	Thermo-Anemometer	

## THERMO-ANEMOMETERS

- All-in-one meter with integral rotary vane sensor
- Simultaneous display of air velocity and temperature
- Selectable wind speed units: Knots, mph, km/h
- Calculate air volume by keying in area dimension
- Continuous moving air velocity averaging of measurements for up to 2 hours
- Displays Min/Max/Avg velocity with temperature values
- Multi-point averaging up to 8 points
- Calculate average velocity values in seconds
- High-contrast, 4-digit LCD readout
- RS-232 interface
- Data hold and auto power off
- Air Velocity Range: 80 to 5900 fpm; 0.4 to 30 m/s; 0.9 to 68 mph; 1.4 to 108 km/h; 0.8 to 58 knots
- Temperature Range: -10° to 50°C; 14° to 122°F



**REED**

Model No.	Mfg. No.	Description	Price/Each
IA40	8906	Thermo-Anemometer	

## ANEMOMETERS

- Data hold, Record (Max/Min)
- Integral vane design for one hand operation
- Push button operation
- Pocket-sized
- Includes battery
- Air Velocity Range: 80 to 5910 fpm; 0.4 to 30 m/s; 0.9 to 67 mph; 1.4 to 108 km/h; 0.8 to 58.3 knots



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX286	LM-81 AM	Thermo-Anemometer	

## THERMO-ANEMOMETERS

- 4-in-1 multi-function meter: anemometer, humidity meter, light meter and type-K digital thermometer
- Data hold, Record (Max/Min)
- Integral vane design for one hand operation
- Push button operation
- Pocket-sized
- Includes battery
- Air Velocity Range: 80° to 5910 fpm; 0.4 to 30 m/s; 0.9 to 67 mph; 1.4 to 108 km/h; 0.8 to 58.3 knots
- Temperature Range: Air: 0° to 50°C; 32° to 122°F; Input: -100° to 1300°C; -148° to 2372°F
- Humidity Range: 10 to 95% RH
- Light Range: 0 to 20,000 lux; 0 to 2,000 Ft-c



**REED**

Model No.	Mfg. No.	Description	Price/Each
HX285	LM-8000	Multi-Function Meter	

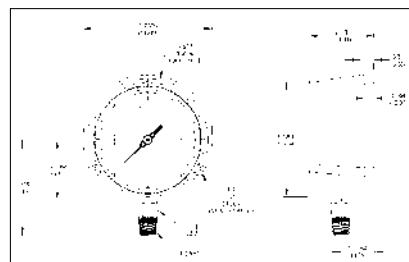
# INSTRUMENTS

## PRESSURE GAUGES

- Stamped aluminum 4 1/2" (115 mm) diameter dial
- Black, impact resistant phenolic case
- 316 stainless steel bourdon tube and socket
- Silicone fluid filled and rated for -50° to 170°F
- 1/2% of full scale accuracy
- Transient over-pressure limit: 30%
- Restrictor screw
- Shatterproof glass lens
- Integral back flange
- Safety blowout backplate
- Micrometer adjustable pointer
- 1/4" or 1/2" NPT male connection bottom



IA361



## REED

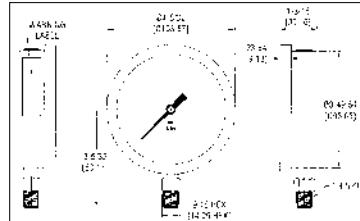
1/4" NPT Model No.	Mfg. No.	1/2" NPT Model No.	Mfg. No.	Dial Ranges	Price /Each
IA399	LF45-15-1/4	IA351	LF45-15-1/2	30"-0-15 PSI	
IA335	LF45-30-1/4	IA352	LF45-30-1/2	30"-0-30 PSI	
IA336	LF45-60-1/4	IA353	LF45-60-1/2	30"-0-60 PSI	
IA337	LF45-30HG-1/4	IA354	LF45-30HG-1/2	30"-0 Hg Vac.	
1/4" NPT Model No.	Mfg. No.	1/2" NPT Model No.	Mfg. No.	Compound Scale Dial Ranges	Price /Each
IA338	LF45-15P-1/4	IA355	LF45-15P-1/2	0-15 PSI/0-100 kPa	
IA339	LF45-30P-1/4	IA356	LF45-30P-1/2	0-30 PSI/0-200 kPa	
IA340	LF45-60P-1/4	IA357	LF45-60P-1/2	0-60 PSI/0-400 kPa	
IA341	LF45-100P-1/4	IA358	LF45-100P-1/2	0-100 PSI/0-700 kPa	
IA342	LF45-160P-1/4	IA359	LF45-160P-1/2	0-160 PSI/0-1100 kPa	
IA343	LF45-200P-1/4	IA360	LF45-200P-1/2	0-200 PSI/0-1400 kPa	
IA344	LF45-300P-1/4	IA361	LF45-300P-1/2	0-300 PSI/0-2100 kPa	
IA401	LF45-400P-1/4	IA362	LF45-400P-1/2	0-400 PSI/0-2800 kPa	
IA345	LF45-600P-1/4	IA363	LF45-600P-1/2	0-600 PSI/0-4200 kPa	
IA400	LF45-1500P-1/4	IA365	LF45-1500P-1/2	0-1500 PSI/0-10,500 kPa	
IA347	LF45-2000P-1/4	IA366	LF45-2000P-1/2	0-2000 PSI/0-14,000 kPa	
IA348	LF45-3000P-1/4	IA367	LF45-3000P-1/2	0-3000 PSI/0-21,000 kPa	
IA349	LF45-5000P-1/4	IA368	LF45-5000P-1/2	0-5000 PSI/0-35,000 kPa	
IA350	LF45-10000P-1/4	IA369	LF45-10000P-1/2	0-10,000 PSI/0-70,000 kPa	

## PRESSURE GAUGES

- 4.5" diameter dial has dual English/metric scales
- Balanced adjustable black pointer
- Corrosion resistant stainless steel case and ring, plastic lens
- Soft soldered phosphor bronze tube with brass socket recommended for average general use
- Suitable for steam, water, air, oil, gas or any medium not corrosive to copper alloys
- 1/4" NPT bottom connection only
- 1% accuracy



IA328



## REED

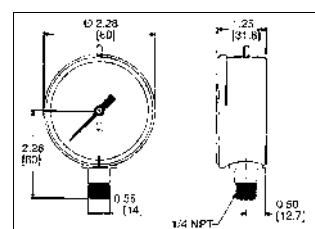
Model No.	Mfg. No.	Dial Range	Figure Intervals	Smallest Graduation	Price /Each
IA326	421 AVND-30	0-30 PSI/0-200 kPa	5 PSI	0.5 PSI	
IA327	421 AVND-60	0-60 PSI/0-400 kPa	10 PSI	1 PSI	
IA328	421 AVND-100	0-100 PSI/0-700 kPa	10 PSI	1 PSI	
IA329	421 AVND-160	0-160 PSI/0-1100 kPa	20 PSI	2 PSI	
IA330	421 AVND-200	0-200 PSI/0-1400 kPa	20 PSI	2 PSI	
IA331	421 AVND-300	0-300 PSI/0-2100 kPa	50 PSI	5 PSI	
IA332	421 AVND-500	0-500 PSI/0-3500 kPa	50 PSI	5 PSI	
IA333	421 AVND-30 VAC	30"-0 Hg Vac	5"	0.5"	

## PRESSURE GAUGES

- 2.5" diameter dial has dual English/metric scales
- ASME Grade B accuracy: ± 3% first 3rd of scale, ± 2% middle 3rd of scale, and ± 3% last 3rd of scale
- Corrosion resistant stainless steel case and ring, acrylic lens
- Brass internal materials
- 1/4" NPT bottom connection only
- Rated for -20 to 60°C and pressure steady at 75% f.s.



IA285



## REED

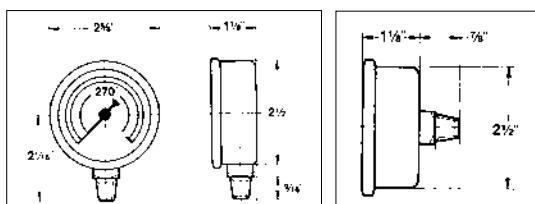
Model No.	Mfg. No.	Dial Ranges	Price/Each
IA280	LVBNA-30HG	0-30" Hg Vac.	
IA281	LVBNA-30	30" Hg Vac to 30 PSI	
IA282	LVBNA-15P	0 to 15 PSI/0 to 105 kPa	
IA283	LVBNA-30P	0 to 30 PSI/0 to 210 kPa	
IA284	LVBNA-60P	0 to 60 PSI/0 to 420 kPa	
IA285	LVBNA-100P	0 to 100 PSI/0 to 700 kPa	
IA286	LVBNA-160P	0 to 160 PSI/0 to 1120 kPa	
IA287	LVBNA-200P	0 to 200 PSI/0 to 1400 kPa	
IA288	LVBNA-300P	0 to 300 PSI/0 to 2100 kPa	
IA289	LVBNA-400P	0 to 400 PSI/0 to 2800 kPa	
IA290	LVBNA-600P	0 to 600 PSI/0 to 4200 kPa	
IA291	LVBNA-1000P	0 to 1000 PSI/0 to 7000 kPa	

## PRESSURE GAUGES

- Stamped aluminum 2.5" diameter dial
- Polished stainless steel case
- Glass lens, pressed bezel
- Bronze tube and brass socket with brass movement
- 1/4" male NPT connection, bottom or back
- 1.6% accuracy
- Glycerine fill provides a dampening effect which minimises pulsations; continuously lubricates gauge movement; and makes this gauge ideally suited for adverse environments



IA297



## REED

Bottom Conn. Model No.	Mfg. No.	Price /Each	Back Conn. Model No.	Mfg. No.	Price /Each	Compound Scale Dial Ranges
IA292	AVNC-30HG		IA309	AHNC-30HG		30" Hg-0" Vac.
IA293	AVNC-30		IA310	AHNC-30		30" Hg-0-30 PSI
IA294	AVNC-15P		HX508	AHNC-15P		0-15 PSI/0-100 kPa
IA295	AVNC-30P		IA312	AHNC-30P		0-30 PSI/0-200 kPa
IA296	AVNC-60P		IA313	AHNC-60P		0-60 PSI/0-400 kPa
IA297	AVNC-100P		IA314	AHNC-100P		0-100 PSI/0-700 kPa
IA298	AVNC-160P		IA315	AHNC-160P		0-160 PSI/0-1100 kPa
IA299	AVNC-200P		IA316	AHNC-200P		0-200 PSI/0-1400 kPa
IA300	AVNC-300P		IA317	AHNC-300P		0-300 PSI/0-2100 kPa
IA301	AVNC-400P		IA318	AHNC-400P		0-400 PSI/0-2800 kPa
IA302	AVNC-600P		IA319	AHNC-600P		0-600 PSI/0-4200 kPa
IA303	AVNC-1000P		IA320	AHNC-1000P		0-1000 PSI/0-7000 kPa
IA304	AVNC-1500P		IA321	AHNC-1500P		0-1500 PSI/0-10,500 kPa
IA305	AVNC-2000P		IA322	AHNC-2000P		0-2000 PSI/0-14,000 kPa
IA306	AVNC-3000P		IA323	AHNC-3000P		0-3000 PSI/0-21,000 kPa
IA307	AVNC-5000P		IA324	AHNC-5000P		0-5000 PSI/0-35,000 kPa
IA308	AVNC-6000P		IA325	AHNC-6000P		0-6000 PSI/0-42,000 kPa

# INSTRUMENTS

## PH PENS

- Dual displays of temperature and pH
- Display tilted at a 45° angle for increased readability
- Data hold, Max/Min, Record
- Automatic temperature compensation assures that readings are corrected for temperature offsets
- One touch calibration
- Calibration up to 3 points (pH 4.01, 7.01, 10.01)
- No tools or trimmers needed for calibration
- Replaceable pH electrode module
- Durable, waterproof housing (IP67)
- Low battery indicator
- Auto power off after 20 minutes of inactivity
- Protective cap with pocket clip
- pH range: 0.00 to 14.00 pH



IA035

## REED

Model No.	Mfg. No.	Description	Price/Each
IA035	8690	Digital pH Pen	

## REFRACTOMETERS

### BRIX REFRACTOMETERS

The Brix refractometer shows the concentration percentage of the soluble solids content (Total solids) of a sample (water solution). The soluble solids content is the total of all the solids dissolved in the water - beginning with sugar, salts, protein, acids, etc. and the measurement reading value is the value of the sum total of those. Essentially Brix% is calibrated to the number of grams of cane sugar contained in 100 g of cane sugar solution. So, when measuring a sugar solution, the Brix% should perfectly match the actual concentration.



HX351

## REED

Model No.	Mfg. No.	BRIX Range	Min. Div.	Accuracy	Price/Each
HX351	MT-010 ATC	0 - 10 %	0.1 %	± 0.01 %	
HX352	MT-018	0 - 18 %	0.2 %	± 0.15 %	
HX107	MT-032	0 - 32 %	0.2 %	± 0.2 %	
HX353	MT-062	28 - 62 %	0.2 %	± 0.2 %	
HX354	MT-082	45 - 82 %	0.5 %	± 0.3 %	
HX355	MT-090	58 - 90 %	1.0 %	± 0.5 %	

### SALINITY REFRACTOMETERS

Salinity refractometers are useful for measuring the concentration of natural or artificial seawater in aquariums, holding tanks, and breeding ponds. They can also be used for controlling the saltwater concentration when preparing pickles, measuring the concentration of saltwater used in rinsing and cooking sea products.



## REED

Model No.	Mfg. No.	Range	Min. Div.	Accuracy	Price/Each
HK668	MT-128	0 - 28 %	0.2 %	± 0.2 %	

### BATTERY COOLANT CHECKERS

It is essential to know the concentration and freezing point of anti-freeze coolants for vehicular safety. Keeping a suitable concentration of coolant prevents engine trouble and possible radiator corrosion. This tester monitors the freezing point of both ethylene glycol and propylene glycol; in addition, it indicates battery recharge level. This tester is simple to use; requiring only a few drops to provide accurate readings within seconds. It is virtually indispensable for gas stations, service shops, cab companies, etc.



HX093

## REED

Model No.	Mfg. No.	Coolant	Range	Min. Div.	Price/Each
HX093	MT-777	Propylene Glycol	-50 to 32 °F	10 °F	
		Ethylene Glycol	-50 to 32 °F	10 °F	

## VISCOSITY CUPS

- Determine the flow time of paints, coatings, enamels, oils and other similar liquids
- Conically shaped steel cup delivers 44 cc's of liquid sample through a precision orifice
- Twelve-inch looped stainless steel handle allows the cup to be dipped by hand into a liquid container
- Stainless steel split key ring at top of handle for aligning cup in a true vertical position when conducting tests
- Cup No. 1:** Generally used for very thin mixtures where low solids application is desired
- Cup No. 2:** Primarily used for all mixed paints which have been reduced with solvent for application. Used by the automotive and similar industries
- Cup No. 3/Cup No. 4:** Used for higher solids application where extra heavy films are desired
- Cup No. 5:** Generally used for checking the viscosity of unthinned paints prior to reduction with solvent



HB787



Model No.	Mfg. No.	Description	Orifice Size	Range	Price/Each
HB787	VI-2101	Viscosity Cup No. 1	0.078"	31-60 sec.	
HB788	VI-2102	Viscosity Cup No. 2	0.108"	19-60 sec.	
HB789	VI-2103	Viscosity Cup No. 3	0.146"	13-60 sec.	
HB790	VI-2104	Viscosity Cup No. 4	0.168"	12-60 sec.	
HB791	VI-2105	Viscosity Cup No. 5	0.208"	10-60 sec.	

## PH/ORP METERS

- Measures pH and ORP levels in water
- Manual or automatic temperature compensation
- Auto calibration for pH 4.0, pH 7.0 and pH 10.0
- Data hold and max/min. record
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB interface
- pH Range: 0 to 14.00 pH
- ORP Range: -1999 to 1999 mV



IA801

## REED

Model No.	Mfg. No.	Price/Each
IA801	SD-230	

Model No.	Mfg. No.	Description	Range	Size	Price/Each
HX295	PE-01	Epoxy pH Electrode	0-14 pH	9.5 mm dia. x 130 mm	
HX296	PE-03	Epoxy pH Electrode	0-13 pH	12.3 mm dia. x 160 mm	
HX297	PE-11	Epoxy pH Electrode	0-13 pH	10.0 mm dia. x 130 mm	

## CONDUCTIVITY METERS

- Measures conductivity, total dissolved solids (TDS) and salt levels in water
- Carbon rod electrode
- Auto temperature compensation
- Temperature coefficient of measurement solution is user selectable
- Data hold and Max/Min record
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB interface
- Conductivity Range: 200 µS, 2 mS, 20 mS, 200 mS
- Soft Range: 0 to 12% salt (% weight)



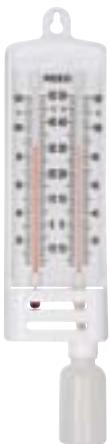
IA802

## REED

Model No.	Mfg. No.	Price/Each
IA802	SD-4307	

## HANGING HYGROMETERS

- Measures relative humidity by comparing readings of wet bulb and dry bulb thermometers
- Accuracy obtained by creating rapid air circulation around bulbs
- Non-mercury red spirit filled thermometers
- Range: -10 to 130 °F (-5 to 50 °C)
- Plastic moulded case
- Plastic reservoir
- Dimensions: 4" x 10"



## REED

Model No.	Mfg. No.	Description	Price/Each
IA528	WD-5	Wet Bulb/Dry Bulb Hygrometer	

## DIAL THERMO-HYGROMETERS

- 5" diameter stainless steel dial
- Flange mounting
- Bi-metallic temperature sensor
- Temperature Range: 0 to 120 °C, 1°C divisions
- ± 1% temperature accuracy
- Synthetic hair hygrometer
- Humidity Range: 0 to 100 % RH, 2% RH divisions
- ± 5% humidity accuracy
- On-site adjustments possible



## REED

Model No.	Mfg. No.	Description	Price/Each
IA532	TH600	Dial Thermo-Hygrometer	

## TEMPERATURE & HUMIDITY RECORDERS

- Records temperature and humidity on a 6" diameter chart
- Programmable recording times and temperature ranges
- Panel mountable, DIN sized enclosure
- Options include digital display, remote probe, and audible alarm
- AC power with battery back-up
- Includes pens, battery, and 120 VAC adapter
- Temperature Range:  
**IA529/IA530:** 32 to 100°F, 0 to 50°C  
**IA531:** 0 to 50°C, 0 to 100°F, 0 to 185°F, 0 to 85°C
- Humidity Range: 0 to 95 % RH (non-condensing)



## DICKSON

Model No.	Mfg. No.	Description	Price/Each
IA529	TH621	Basic Temp/RH Recorder	
IA530	TH622	Temp/RH Recorder w/ Display & Probe	
IA531	TH623	Temp/RH Recorder w/ Display, Probe & Alarm	

## TEMPERATURE & HUMIDITY RECORDERS

- Simultaneously records ambient temperature and relative humidity conditions
- Full cycle recording allows recording all the way around the cylindrical drum
- 24-hour model
- Provides maximum and minimum values
- Built-in quartz clock drive
- Slide system for simplified clock setting
- Bi-metallic coil temperature sensor
- De-fatted hair humidity sensor
- Desk or wall mountable
- Temperature Range: -15 to 40 °C
- Humidity Range: 0 to 100 % RH



## REED

Model No.	Mfg. No.	Description	Price/Each
IA409	THR-2	Thermo-Hygograph, 1-day	
IA630	THR-2-Charts	Replacement Charts, 1-day (100/pkg.)	

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& Electrical  
requirements!



# INSTRUMENTS

## MOISTURE METERS

- Ideal for use on any construction site
- Measures the moisture content of sawn timber (also cardboard and paper) and hardened materials like plaster, concrete and mortar
- Measuring Range: Wood: 6 to 44%; Material: 0.2 to 2.0%
- Accuracy: Wood:  $\pm 1\%$ ; Material:  $\pm 0.05\%$
- Average adjustment for European wood based on a wood temperature of 20°C
- Impact-proof plastic housing
- Auto power-off
- 8 mm long integrated electrode is replaceable



**REED**

Model No.	Mfg. No.	Description	Price/Each
IA533	ST-123	Moisture Meter	

## PAPER MOISTURE METERS

- Electrical resistance-type moisture meter
- Contact pins mounted on the top of the meter are used for making direct contact with the material
- Various external electrodes are also available for specific applications
- Three scales for testing various paper stock, cores and corrugated (4.3 to 18%); 5 to 40% baled scrap paper; and a 0 to 100% arbitrary scale for obtaining relative moisture indications on other material
- Set point with buzzer to alert you when a pre-selected % moisture content has been reached
- Stores up to 100 readings and displays the average and highest of the stored readings
- Built-in calibration check



**DELMHORST**  
INSTRUMENT CO.

Model No.	Mfg. No.	Description	Price/Each
IA110	P-2000	Paper Moisture Meter	

## WOOD MOISTURE METERS

- Memory contains eight wood groups with calibrations for approximately 170 species of wood
- Built-in 2-point calibration check
- User settable auto power off with override
- Low battery indication
- Integral contact pins are replaceable, remote moisture electrode pins are not replaceable
- Complete with remote hand-press moisture electrode, temperature probe, protective cap, replacement pins, two AAA batteries, and soft carrying case

### SPECIFICATIONS:

**Measuring Principle:** Electrical resistance

**Measuring Range:** 6 to 99.9% MC

**Accuracy:**  $\pm 1\%$  MC

**Temp. Compensation:** -31 to 176°F (-35 to 80°C)

**Power Supply:** Two AAA batteries

**Dimensions:** 7 x 1.9 x 2" (180 x 50 x 31 mm)

**Weight:** 6.1 oz (175 g)

**Model No. IA734**

**Mfg No. ST-129**

**Price/Each \$**

**REED**



## MOISTURE DETECTORS

- Pocket-size electronic, non-destructive detector that provides moisture readings instantly and accurately
- Detects moisture beneath the surface being tested by measuring the resistance between two low frequency signals transmitted from conductive pads on the base of the instrument
- Soft conductive electrode pads on the base of the instrument run smoothly over the surface being tested and immediately identify moisture without scratching or penetrating the surface
- Three sensitivity scales:  
**Scale 1:** Timber and wood products  
**Scale 2:** Felt roofing  
**Scale 3:** Plaster and brick



**TRAMEX**

Model No.	Mfg. No.	Description	Price/Each
HM170	ME-1	Moisture Detector	

## WOOD MOISTURE METERS

- Three new pin-type wood moisture meters that are ideal for any woodworking application
- Reads surface and core moisture content, giving you key information about a board's uniformity and moisture distribution
- Use the integral electrode pins or attach any Delmhurst electrode to the built-in connector
- Model **HM165\*** corrects for individual species and temperature and averages up to 100 accumulated readings. Moisture content range: 6 to 40%
- Model **HF940** features 12 LEDs that are great for reading in direct sunlight or dark areas. Moisture content range: 6 to 30%
- Model **HM166\*** offers an analog readout in a great new case design. Moisture content range: 6 to 30%

\* Available as a package. All packages include meter, deluxe carrying case, 26-ES electrode and extra contact pins.



**DELMHORST**  
INSTRUMENT CO.

Model No.	Mfg. No.	Description	Price/Each
HM165	J-2000	Wood Moisture Meter, Digital Display	
HF940	J-LITE	Wood Moisture Meter, LED	
HM166	J-4	Wood Moisture Meter, Analog Display	

## MOISTURE DETECTORS

- Detects moisture content in building materials of all kinds, as well as detects moisture distribution in walls, ceilings and floors
- Non-destructive - moisture sensor runs smoothly over the surface being tested without scratching or penetrating the surface
- Display Hold button
- Max/Min function with alarm indication
- LCD display with backlighting
- Low battery indication with auto power off
- Measuring Range: 0.0 to 100.0% Moisture Content
- Penetration Depth: 20 to 40 mm



**REED**

Model No.	Mfg. No.	Description	Price/Each
IA681	ST-128M	Moisture Detector	

# INSTRUMENTS

## THERMO-ANEMOMETERS

MEASURES AIR VELOCITY, AIR VOLUME & AIRSTREAM TEMPERATURE

- Newly developed reversible head for measuring air velocity at exhaust and inlet grilles with one instrument
- Sweep mode measures average air velocity or air volume over an area or period of time
- Displays measurements in metric or imperial units
- Ergonomically designed for high performance, unrivaled accuracy and ease of use
- Air Velocity Range: 0.25 to 30 m/s (50 to 6000 fpm)
- Temperature Range: 0 to 60°C (32 to 140°F)
- Volumetric Flow Rate: 1 to 999 999 l/s (1 to 9999 000 cfm) 1 to 999999 m<sup>3</sup>/h, 0.1 to 3000 m<sup>3</sup>/s
- Optional AirCones quickly convert the model RVA801 into an air volume flow balancing tool
- Aerodynamic design for minimal resistance
- Two sizes suit most supply and extract grilles
- Self sealing for leak tight readings
- Constructed of hard wearing ABS
- Volume flow curves in m<sup>3</sup>/sec and cfm
- Air Volume Range: 0 to 0.1 m<sup>3</sup>/s (0 to 210 cfm)



HK666



IA116



Model No.	Mfg. No.	Description	Price/Each
HK666	RVA801	Rotating Vane Thermo-Anemometer	
IA116	801750	Volumetric Flow Hoods	

## THERMO-ANEMOMETERS

- Simultaneous display of air velocity and temperature
- Super large (1.4"), 4-digit, dual function LCD
- Remote low friction vane-type air flow sensor (2.33"D)
- Humidity probe with thin-film capacitance sensor
- Both sensors also provide temperature measurements
- Record/Recall Min, Max and Avg readings
- Data Hold plus Auto shut off
- Built-in RS-232 serial interface with optional data acquisition software and datalogger module
- 9 V battery power or optional AC adapter
- Includes 39" (1m) cable, 9 V battery and protective holster
- Air Velocity Range: 0.4 to 25.0 m/s; 1.4 to 90.0 km/h; 80 to 4930 ft/min; 0.9 to 55.9 mph; 1.9 to 38.8 knots
- Temperature Range: 32 to 122°F; 0 to 50°C
- Humidity Range: 0 to 95% RH



HX256

## REED

Model No.	Mfg. No.	Description	Price/Each
HX256	AM-4203	Thermo-Anemometer	

R34576E

## THERMO-ANEMOMETERS

- Measures air velocity as well as temperature with a type J/type K thermocouple thermometer
- Hot wire probe
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB interface
- Air velocity is measured in m/s, ft/min, km/h, mph or knots
- Temperature is measured in °C or °F
- Air Velocity Range: 0.2 to 25.0 m/s
- Type J Temp. Range: -50 to 1200°C
- Type K Temp. Range: -50 to 1300°C



## REED

Model No.	Mfg. No.	Description	Price/Each
IA797	SD-4214	Thermo-Anemometer	

## BALOMETERS

- Detachable manometer can be used with optional probes
- Reads in H<sub>2</sub>O, ft H<sub>2</sub>O, PSI, in. Hg, mm Hg, m H<sub>2</sub>O, kPa, mm Hg, bar
- Displays Min, Max and Average of up to 1000 readings
- Stores up to 1000 readings with time and date stamp
- Battery operated
- Includes CompuDat® software to download data to PC
- Shipped complete with manometer, 2' x 2' air capture hood/frame/base, 4 "AA" size rechargeable NiMH batteries, external battery charger, 18" pitot probe, 2 static pressure probes, 16 ft. neoprene tubing, wheeled carrying case, software and manual
- Diff. Pressure Range: ± 15 in. H<sub>2</sub>O (3735 Pa)
- Absolute Pressure Range: 15 to 40 in Hg (356 to 1016 HG)
- Air Velocity Range: 25 to 8000 fpm (0.125 to 40 m/s) pitot tube; 25 to 5000 fpm (0.125 to 25 m/s) air flow probe; 25 to 2500 fpm (0.125 to 12.5 m/s) velocity matrix
- Air Volume Range: 25 to 2500 ft<sup>3</sup>/m (42 to 4250 m<sup>3</sup>/h)
- Humidity Range: 0 to 95% RH (optional probe)
- Temperature Range: -40° to 250°F (-40° to 121°C) probe dependent



Model No.	Mfg. No.	Description	Price/Each
IA120	EBT721	Balometer, Electronic Kit	
IA575	800187	Air Foil Probe	
IA576	800188	Probe, Temperature	
IA577	800189	Probe, Temp/RH	
IA578	801090	16-Point Velocity Matrix w/Telescopic Handle	
IA579	801206	Hood Expansion Kit, 2 hoods, 1' x 4' and 2' x 4'	
IA580	801207	Hood Expansion Kit, 2 hoods, 1' x 5' and 3' x 3'	

## OFFICE PRODUCTS

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## WELDING & METALWORKING

## SAFETY EQUIPMENT & SUPPLIES

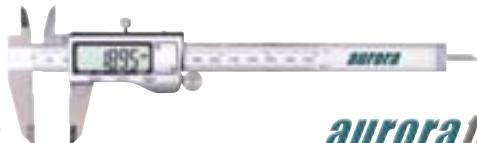
## JANITORIAL & MAINTENANCE

## MATERIAL HANDLING & STORAGE

# INSTRUMENTS

## ALL STAINLESS STEEL ELECTRONIC DIGITAL CALIPERS

- Large LCD display provides easy-to-read numbers
- Precision adjustments for accurate measurements
- Hardened stainless steel head and body
- Lock screw to hold slide in position
- Linear accuracy: +/- .001" (.03 mm)
- Inch/millimeter conversion
- Zero at any position
- ON/OFF button
- Includes: Two 1.5 V batteries, type LR44 and deluxe storage case with foam inserts



TGZ370

auroratools®

Model No.	Size	Measurement Range	Approximate Jaw Depth	Price/Each
TGZ370	6	0-6" (152 mm)	1 1/2" (38 mm) outside, 5/8" (16 mm) inside	
TJZ861	8	0-8" (200 mm)	2" (50 mm) outside, 3/4" (19 mm) inside	
THZ769	12	0-12" (300 mm)	2 7/8" (73 mm) outside, 7/8" (22.25 mm) inside	

## 6" ELECTRONIC DIGITAL CALIPERS

- Large LCD display provides easy-to-read numbers
- Precision adjustments for accurate measurements
- ABS plastic head and stainless steel body
- Lock screw to hold slide in position
- Approximate jaw depth:  
1 1/2" (38 mm) outside, 5/8" (16 mm) inside
- Inch/millimeter conversion
- Zero at any position
- Automatic shut OFF
- Includes two 1.5 V batteries, type LR44 and a deluxe storage case with foam insert



auroratools®

Model No.	Measurement Range	Resolution	Price/Each
TLV181	0-6" (0-152 mm)	0.001" (.03 mm)	

## ELECTRONIC DIGITAL MICROMETERS

- Large LCD display provides easy-to-read numbers
- Carbide tipped measurement surfaces
- Resolution to 5 decimal places
- Linear accuracy: +/- .0001" (.003 mm)
- Inch/millimetre conversion
- Includes calibration wrench
- Zero at any position
- Lock screw to hold mechanism in position
- Automatic OFF button
- Includes: Thimble ratchet, two 1.5 V batteries, type LR44, wooden storage case with foam insert



auroratools®

Model No.	Measurement Range	Resolution	Price/Each
IA388	0-1" (0-25mm)	0.00005" (0.001mm)	

## MANOMETERS

- Digital display of gauge or differential
- Select from one of 11 different pressure units
- Data hold
- Max/Min Record
- Display backlight
- Auto power off
- Low battery indicator
- Simple fittings for hose connection
- Optional RS-232 interface
- Includes hard carrying case, 9 V battery, connection hose and manual
- Pressure Range: IA138: 0 to 30 PSI; IA139: 0 to 100 PSI



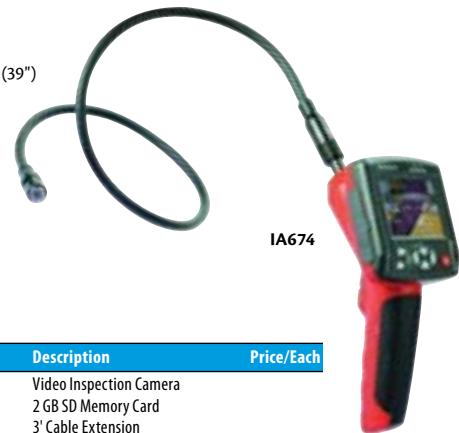
IA138

## REED

Model No.	Mfg. No.	Description	Price/Each
IA138	8230	Digital Manometer	
IA139	82100	Digital Manometer	

## INSPECTION CAMERAS

- Comfortable pistol grip design and forward facing controls make it easy to detect and diagnose the unreachable
- High visibility 3.2" colour TFT LCD monitor with 320 x 240 pixel resolution
- Flexible gooseneck imager head retains configured shape and is waterproof (IP67)
- High visibility 10° adjustable LED lighting
- Camera and video functions allow you to save high resolution JPEG images and live video
- Transfer files to a computer via USB cable and optional 2 GB SD memory card
- Rechargeable lithium-ion battery
- Viewing distance: 15 cm to 25 cm (5.9" to 9.8")
- TV compatible
- Viewing angle: 0 to 180°
- Camera diameter:  
17 mm (0.66"); Length: 1 m (39")
- Includes video borescope, imager head, magnet, hook and mirror attachments, 3.7 V lithium battery, DC power supply, USB cable, video output cable, user manual and hard carrying case



IA674

## REED

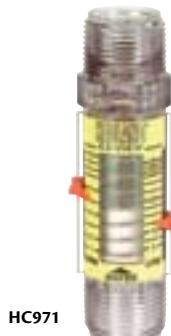
Model No.	Mfg. No.	Description	Price/Each
IA674	BS-150	Video Inspection Camera	
IA675	SD-2GB	2 GB SD Memory Card	
IA678	BS-C3	3' Cable Extension	
IA679	BS-C6	6' Cable Extension	



# INSTRUMENTS

## IN-LINE FLOW METERS

- Features a unique variable-area metering design, with a spring-retained moveable piston
- Can be installed quickly in any position from vertical to horizontal, without costly flow straighteners or other special plumbing requirements
- Constructed of polysulfone and stainless steel for greater tolerance to pressure and temperature as well as chemical compatibility
- Calibrated in gpm and lpm
- 1" NPT threaded port



**HEDLAND®**

Model No.	Mfg. No.	Flow Range	Medium	Price/Each
HC969	621-004	0.5 - 4 gpm	Water	
HC970	621-010	1 - 10 gpm	Water	
HC971	621-016	1 - 16 gpm	Water	
HC972	621-028	4 - 28 gpm	Water	
HC973	621-104	0.5 - 4 gpm	Oil	
HC974	621-110	1 - 10 gpm	Oil	
HC975	621-116	1 - 16 gpm	Oil	
HC976	621-128	4 - 28 gpm	Oil	

## FLOW TOTALISERS

- All meters are self-contained and carry the FM Approval Class I, Division 1 for all group environments
- Aluminum housings are rated to 300 PSIG and are well suited for most petroleum products
- Nylon housings are rated to 150 PSIG and are used with non-aggressive chemicals and water
- All factory calibration is accurate to ± 1.5 % for non-viscous fluids
- 0.3 to 3 gpm and 3.0 to 50 gpm ranges use 1" NPTF
- 30 to 300 gpm range uses 2" NPTF



**GPI®**

HM476

Model No.	Mfg. No.	Description	Price/Each
HM479	A109GMN025NA1	Nylon Flow Meter, 0.3 to 3 gpm	
HM480	A109GMN100NA1	Nylon Flow Meter, 3 to 50 gpm	
HM476	A109GMA025NA1	Aluminum Flow Meter, 0.3 to 3 gpm	

## CABLE FLOAT SWITCHES

- Control the level of liquids in filling or draining reservoirs and tanks
- Mercury-free switch is designed with an inverter microswitch housed in a polypropylene cover
- Unit includes a counterweight to adjust the stop and start levels of pump up/pump down application
- SPST switch, 10 A at 250 VAC resistive
- NEMA4 (IP68) enclosure rating
- Mounts vertically

THZ266



**Dwyer**

Model No.	Mfg. No.	Description	Price/Each
THZ266	CF5-2	Cable Float Switch, 2 m (6.5') cable	
THZ265	CF5-10	Cable Float Switch, 10 m (32.8') cable	

R25337E

## ULTRASONIC FLOW METERS

- Trans-phase measuring technology provides accurate flow velocity assessments in closed piping systems
- Piezoelectric transducers transmit and receive an acoustic signal reflected off discontinuities in a liquid flow stream
- Compares transmitted and received frequencies and calculates a shift value, the magnitude of which is proportional to the liquid's flow velocity
- Measures flow of both clean and dirty liquids
- Non-invasive, clamp-on transducer
- Portable or permanent installations
- Plastic or metal pipe, sizes from 0.25" (6.3 mm)
- Large, four digit, 0.7" (18 mm) high LCD readout of velocity, w/signal strength, measuring units and low battery annunciators
- NEMA 12X, impact resistant ABS plastic case
- Flow Range: 0.30 to 30.00 fps (0.100 to 9.000 m/s)



THZ267

**DYNASONICS™**  
DIVISION OF RAYCO FIBERGLASS INC.

Model No.	Mfg. No.	Description	Price/Each
THZ267	DUFX1-B1	Ultrasonic Flow Meter w/Small Pipe Transducer	
HM864	DUFX1-D1	Ultrasonic Flow Meter w/Standard Pipe Transducer	
THZ268	DUFX1-F1	Ultrasonic Flow Meter w/Both Pipe Transducers	

## FLOW TOTALISERS

- Small, powerful microprocessor-based totalisers powered by "AAA" batteries
- Large 4-digit displays mount at the nozzle
- Suited for flow ranges from 3 to 30 gpm
- Accuracy is ± 5
- Nylon models, rated to 150 PSIG, are factory calibrated for water
- Aluminum models, rated to 300 PSIG, are factory calibrated for fuels
- All mount with 1" female NPT fittings

**GPI®**



OC356

Model No.	Mfg. No.	Description	Price/Each
OC353	113255-4	Water Meter, gallons, NPT	
OC354	113255-5	Water Meter, liters, NPT	
OC355	113255-6	Water Meter, liters, ISO	
OC356	113255-1	Fuel Meter, gallons, NPT	
OC357	113255-2	Fuel Meter, liters, NPT	
OC358	113255-3	Fuel Meter, liters, ISO	

## LEVEL SWITCHES

- Dual level switch designed for filling and draining tanks, wells, and reservoirs
- Shape and interior balance weight ensure impurities and dirt will not adhere to the surface, making it ideal for sewage and waste water applications
- Mercury-free switch is designed with an inverter microswitch housed in a polypropylene cover
- SPST switch, 10 A at 250 VAC resistive
- NEMA4 (IP68) enclosure rating
- Mounts vertically



THZ271

**Dwyer**

Model No.	Mfg. No.	Description	Price/Each
THZ271	FSW-6	Free-Floating Level Switch, 6 m (19.5') cable	
THZ269	FSW-15	Free-Floating Level Switch, 15 m (49') cable	

OFFICE  
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